Ground-Water-Quality Data for a Treated-Wastewater Plume Undergoing Natural Restoration, Ashumet Valley, Cape Cod, Massachusetts, 1994–2004

By Jennifer G. Savoie, Richard L. Smith, Douglas B. Kent, Kathryn M. Hess, Denis R. LeBlanc, and Larry B. Barber

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Conversion Factors, Vertical and Horizontal Datum, and Abbreviations

Multiply	By	To obtain
foot (ft)	0.3048	meter (m)
gallon (gal)	3.785	liter (L)
gram (g)	0.03527	ounce (oz)
inch (in.)	2.54	centimeter (cm)
mile (mi)	1.609	kilometer (km)
kilogram (kg)	2.205	pound (lb)
Aluminum [Al] (µM)	26.98	Aluminum [Al] (µg/L)
Ammonium [NH_4] (µM)	14.01	Ammonium [NH_4 as N] (µg/L)
Arsenic [As] (µM)	74.92	Arsenic [As] (µg/L)
Barium [Ba] (µM)	137.3	Barium [Ba] (µg/L)
Boron [B] (µM)	10.81	Boron [B] (µg/L)
Cadmium [Cd] (µM)	112.4	Cadmium [Cd] (µg/L)
Calcium [Ca] (µM)	40.08	Calcium [Ca] (µg/L)
Carbon, inorganic, dissolved [DIC] (µM)	12.01	Carbon, inorganic, dissolved [DIC] (µg/L)
Carbon, organic, dissolved [DOC] (µM)	12.01	Carbon, organic, dissolved [DOC] (µg/L)
Chloride [Cl] (µM)	35.45	Chloride [Cl] (µg/L)
Chromium [Cr] (µM)	52.00	Chromium [Cr] (µg/L)
Cobalt [Co] (µM)	58.93	Cobalt [Co] (µg/L)
Copper [Cu] (µM)	63.54	Copper [Cu] (µg/L)
Iron [Fe] (µM)	55.85	Iron [Fe] (µg/L)
Lead [Pb] (µM)	207.2	Lead [Pb] (µg/L)
Magnesium [Mg] (µM)	24.31	Magnesium [Mg] (µg/L)
Manganese [Mn] (µM)	54.94	Manganese [Mn] (µg/L)
Molybdenum [Mo] (µM)	95.94	Molybdenum [Mo] (µg/L)
Nickel [Ni] (µM)	58.71	Nickel [Ni] (µg/L)
Nitrate [NO_3] (µM)	14.01	Nitrate [NO_3 as N] (µg/L)
Nitrite [NO_2] (µM)	14.01	Nitrite [NO_2 as N] (µg/L)
Oxygen, dissolved [O_2] (µM)	31.99	Oxygen, dissolved [O_2] (µg/L)
Phosphorus [P] (µM)	30.97	Phosphorus [P] (µg/L)
Potassium [K] (µM)	39.10	Potassium [K] (µg/L)
Silicon [Si] (µM)	28.09	Silicon [Si] (µg/L)
Sodium [Na] (µM)	22.98	Sodium [Na] (µg/L)
Strontium [Sr] (µM)	87.62	Strontium [Sr] (µg/L)
Sulfate [SO_4] (µM)	96.06	Sulfate [SO_4] (µg/L)
Thallium [Tl] (µM)	204.3	Thallium [Tl] (µg/L)
Uranium [U] (µM)	238.0	Uranium [U] (µg/L)
Vanadium [V] (µM)	50.94	Vanadium [V] (µg/L)
Zinc [Zn] (µM)	65.37	Zinc [Zn] (µg/L)

Temperature in degrees Celsius (°C) may be converted to degrees Fahrenheit (°F) as follows:

$$°F=(1.8×°C)+32$$

Temperature in degrees Fahrenheit (°F) may be converted to degrees Celsius (°C) as follows:

$$°C=(°F-32)/1.8$$

Vertical coordinate information is referenced to the North American Vertical Datum of 1929 (NGVD 29).

Horizontal coordinate information is referenced to the North American Datum of 1927 (NAD 27).

Altitude, as used in this report, refers to distance above the vertical datum.

Specific conductance is given in microsiemens per centimeter at 25 degrees Celsius (µS/cm at 25°C).

Concentrations of chemical constituents in water are given either in millimoles per liter (mM) or micromoles per liter (µM).

AFCEE	Air Force Center for Environmental Excellence
DIC	dissolved inorganic carbon
DOC	dissolved organic carbon
ICP-AES	inductively coupled plasma atomic emission spectroscopy
L/min	liter per minute
µM	micromoles per liter
µm	micrometer
µg/L	micrograms per liter
mL	milliliter
mL/min	milliliter per minute
mg/L	milligram per liter
mN	milliNormal
mm	millimeter
mM	millimoles per liter
MLS	multilevel sampler
MMR	Massachusetts Military Reservation
NAGT	National Association of Geoscience Teachers
NGVD 29	National Geodetic Vertical Datum of 1929
nm	nanometer
NRP	National Research Program
NTU	Nephelometric Turbidity Unit
PVC	polyvinyl chloride
USGS	U.S. Geological Survey
µS/cm	microsiemen per centimeter at 25°C

Ground-Water-Quality Data for a Treated-Wastewater Plume Undergoing Natural Restoration, Ashumet Valley, Cape Cod, Massachusetts, 1994–2004

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Navigation note: text colored in blue will link to a table on single click.

Abstract

A plume of contaminated ground water extends from former disposal beds at the Massachusetts Military Reservation wastewater-treatment plant toward Ashumet Pond, and farther southward toward coastal ponds and Vineyard Sound, Cape Cod, Massachusetts. Treated sewage-derived wastewater was discharged to the rapid-infiltration beds for nearly 60 years before the disposal site was moved to a different location in December 1995.

Water-quality samples were collected periodically from monitoring wells and multilevel samplers during and after the disposal period to characterize the nature and extent of the contaminated ground water and to observe the water-quality changes after the wastewater disposal ceased. Data are presented here for water samples collected from 1994 through 2004 from 16 wells (at 2 locations) and 14 multilevel samplers (at 9 locations) along a longitudinal transect that extends through one of the disposal beds. Data collected from the treated-wastewater plume are presented in tabular format. These data include field parameters; concentrations of cations, anions, nitrate, ammonium, and organic and inorganic carbon species; and ultraviolet/visible absorbance. The natural restoration of the sand and gravel aquifer after removal of the nearly 60-year-long treated-wastewater source, along with interpretations of the water quality in the treated-wastewater plume on Cape Cod, have been documented in several published reports that are listed in the references.

Introduction

Treated wastewater was discharged to rapid-infiltration beds at the Massachusetts Military Reservation (MMR) wastewater-treatment plant on Cape Cod for nearly 60 years. The disposal created a ground-water contaminant plume that extends southward from the former disposal site toward Vineyard Sound. The plume, which was first described by LeBlanc (1984), is about 3,000 to 5,500 ft wide, 100 to 150 ft thick, and 18,000 ft long (Savoie and LeBlanc, 1998). The plume of wastewater-contaminated ground water is composed of a complex mixture of inorganic and organic solutes typical of treated sewage-derived wastewater (Barber, 1998; Barber and others, 1988; Ceazan and others, 1989; Field and others, 1992; Kent and others, 2000; Kent and Fox, 2004; Kent and Maeder, 1999; LeBlanc, 1984; Parkhurst and others, 2003; Repert and others, 2006; Stollenwerk, 1996; Thurman and others, 1986; and Walter and others, 1996). The plume supports a microbial ecosystem that includes bacteria and protozoa (Harvey and Barber, 1992; Harvey and George, 1987; Harvey and others, 1984; Kinner and others, 2002; Kinner and others, 1998; Kinner and others, 1997; and Metge and others, 1993) and has well-developed biogeochemical zones (Abrams and Loague, 2000; Abrams and others, 1998; Kent and others, 1994; LeBlanc and others, 1999; Lee and Bennett, 1998; Smith and others, 2004; Smith and Duff, 1988; Smith and others, 1991a; Smith and others, 1991b). Volatile organic compounds that were released from a former fire-training area near the wastewater-treatment plant also are found in the plume (Air Force Center for Environmental Excellence, 2005).

In an effort to document changes in ground-water quality after wastewater disposal was stopped, the U.S. Geological Survey (USGS) collected ground-water samples near the abandoned rapid-infiltration beds (fig. 1). The samples were analyzed for field parameters; concentrations of cations, anions, nitrate, ammonium, and organic and inorganic carbon species; and ultraviolet/visible absorbance.

This report compiles selected ground-water quality and water-level data that were collected as part of this study. The data set includes water-quality data from monitoring wells and multilevel samplers (MLS) that transect the plume along a flow line extending about 2,300 ft, beginning upgradient of the former infiltration beds at multilevel sampler site SDW 474 and ending near Ashumet Pond (fig. 1). The plume extends farther downgradient toward Vineyard Sound;

[1] U.S. Geological Survey.
[2] U.S. Environmental Protection Agency.

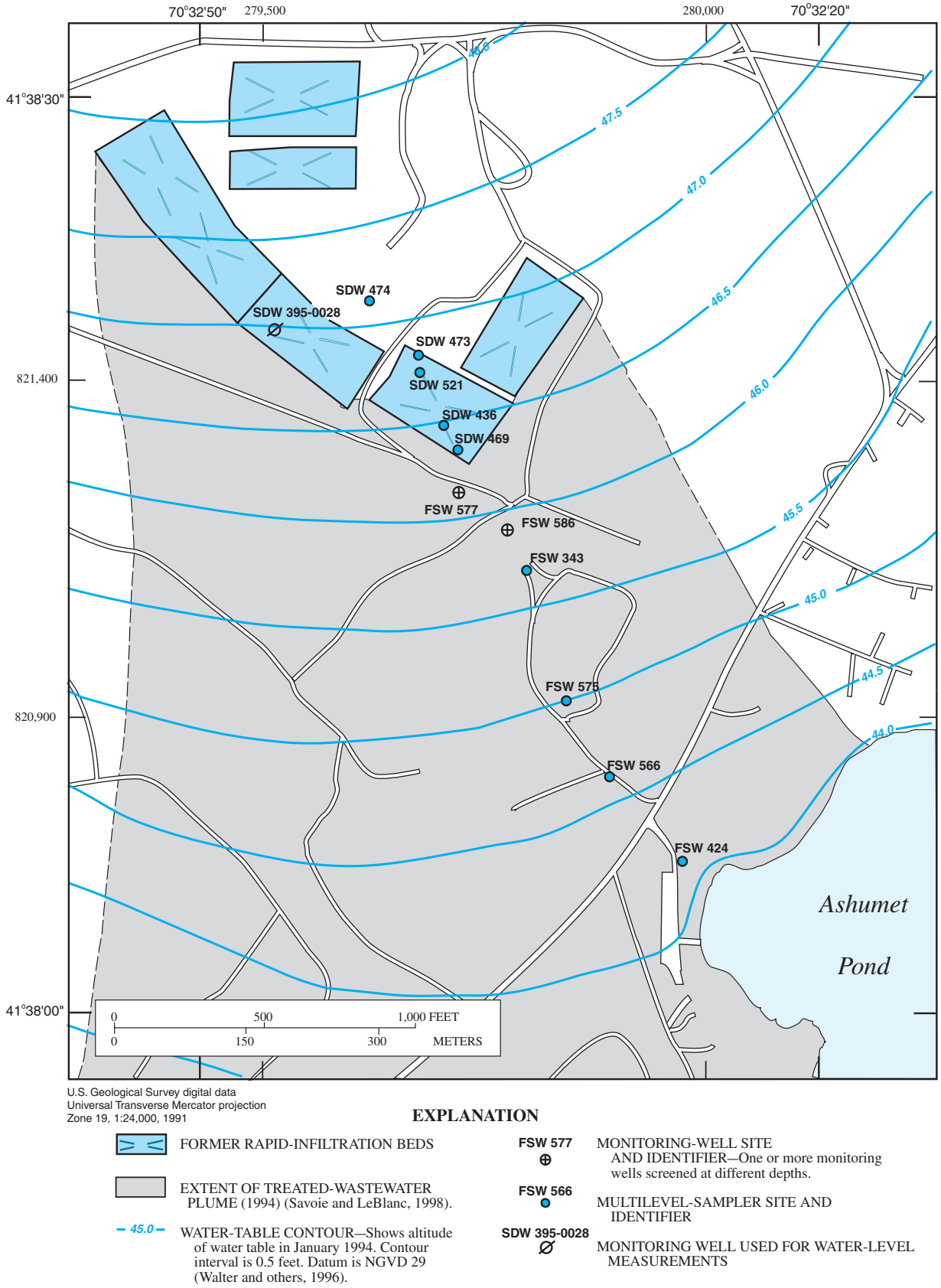

Figure 1. Location of study area, monitoring-well and multilevel-sampler sites, partial extent of treated-wastewater plume, and water-table contours, Ashumet Valley, Cape Cod, Massachusetts.

additional water-quality data for that area can be found in Savoie and LeBlanc (1998). The data set also includes water levels from monitoring well SDW 395-0028, located in the abandoned rapid-infiltration beds near the sampled wells and multilevel samplers. Water levels were measured frequently in monitoring well SDW 395-0028 during the period of water-quality sampling. Findings from the first few years of water-quality monitoring have been presented elsewhere (Barber and Keefe, 1999; Campo and Hess, 1999; Kent and Maeder, 1999; LeBlanc and others, 1999; Smith and others, 1999). A comprehensive discussion of the effect of natural restoration on nitrogen and dissolved organic carbon (DOC) can be found in Repert and others (2006); on the fate of zinc contamination in Kent and others (2000); and on phosphate contamination in Parkhurst and others (2003). Other data, research projects, and reports related to the treated-wastewater plume can be found at the USGS Cape Cod Toxic Substances Hydrology Research Site website (U.S. Geological Survey, 2006).

Monitoring Ground-Water Quality in the Treated-Wastewater Plume

Ground-water quality samples included in this report were collected from 16 monitoring wells at 2 well-cluster sites and 14 MLS at 9 sites during 11 years (1994–2004) (table 1). The samples selected for this report were collected during large sampling rounds, in which many other wells and MLS within the plume were sampled in addition to those included in this report. The sites presented in this report were chosen because they complement research and previously published reports that are found in the references. The selected MLS and well-cluster sites are along a flow line through the treated-wastewater plume extending from the source area to Ashumet Pond (fig. 1). The wells and MLS vertically intersect the plume core where there are steep geochemical and microbiological gradients (Smith and others, 1991a).

Monitoring Wells

The monitoring wells were installed with a hollow-stem-auger drilling method. The wells are constructed with 2.0-inch-diameter polyvinyl chloride (PVC) well casing and screens and finished at the land surface with protective steel casings. The aquifer material was allowed to collapse naturally around the casings and screens. The wells were installed with 2-ft-long screens and were developed by pumping until the discharging water became clear. Monitoring-well information and water levels from monitoring well SDW 395-0028 are given in table 2 and table 3, respectively. Water levels at well clusters FSW 577 and FSW 586 are estimated from a water-table map based on measurements made in January 1994 (Walter and others, 1996).

Multilevel Samplers

The MLS also were installed with a hollow-stem-auger drilling method and natural collapse of the aquifer material. The MLS are constructed with 15 color-coded polyethylene tubes (0.25-inch outside diameter) within a 1.25-inch-diameter PVC casing. The color-coded tubes extend from land surface, down the PVC casing, and out into the aquifer through holes drilled in the PVC at various depths. The open bottom end of each polyethylene tube, referred to as the sampling port, is screened with a fine nylon fabric. The MLS sampling ports were developed by pumping until the discharging water became clear. Water levels were not measured in the MLS; however, water levels at the MLS locations were estimated from the water-table map of January 1994. Multilevel-sampler information is given in table 4.

Sample Collection

Ground-water samples were collected from the monitoring wells using a Keck Model SP-81 submersible pump fitted with Teflon tubing and an isolation packer. The pump intake was set about 2 ft above the top of the screen and the packer was inflated to isolate the water in the casing above the packer from the pump intake. The pumping rate was about 1 to 1.3 L/min, and a minimum of three casing volumes below the packer was evacuated before field water-quality measurements were made and samples were collected. Ground-water samples were collected from the MLS by using a GeoPump2 peristaltic suction pump fitted with Norprene tubing that was connected directly to the MLS tubing. The pumping rate for each MLS port was about 300 mL/min, and a minimum of three tubing volumes was evacuated before field water-quality measurements were made. Water-quality samples were collected after field water-quality parameters (specific conductance, pH, temperature, dissolved oxygen, and turbidity) measured in the discharge had stabilized.

Sample Analysis

The field water-quality measurements were made periodically during well purging until the measurements stabilized. The specific conductance was measured with a Hach Model 44600 or an Orion Model 126 conductivity meter. The pH was measured with an Orion Model 250A meter, an Orion Ross Sure-Flow Model 81-72 pH electrode, and an Orion stainless-steel temperature probe. Dissolved oxygen concentrations greater than 31 μM were generally measured with a Yellow Springs Instruments Model 54 dissolved oxygen meter and electrode in the field or laboratory. Dissolved oxygen concentrations less than 31 μM were generally measured in the field with a quantitative colorimetric method (CHEMetrics VVR Photometer and self-filling reagent ampoules). Temperature was measured by using the Orion stainless-steel probe in conjunction with the pH probe. Turbidity was measured with

a Hach Model 2100P Portable Turbidimeter. Alkalinity was determined in the field on selected samples with expected elevated concentrations of iron(II) or in the laboratory on additional selected samples by an incremental titration method (Fishman and Friedman, 1989) with the endpoint determined by using Gran plots.

Samples for analysis of concentrations of cations, anions, metals, ammonium, DOC, dissolved inorganic carbon (DIC), and ultraviolet/visible absorbance were filtered through an in-line 0.45-µM polyvinylidene filter (Millex). A new filter was used at each well or multilevel sampler port. The cations and metals samples were preserved with nitric acid to pH less than 2, the ammonium samples were preserved with sulfuric acid to pH less than 2, and the anion samples were frozen. The pumps and sampling equipment were decontaminated after sampling each well or MLS with laboratory-grade deionized water. This method for decontamination was shown to be sufficient in other studies (Savoie and LeBlanc, 1998). Duplicate samples were collected and analyzed at about 10 percent of the wells and MLS ports that were sampled. At selected wells or MLS ports, an aliquot of the filtered sample was passed through a cartridge containing Chelex and preserved for cation analysis. Chelex is a cation exchanger that has a high selectivity for multivalent cations and, therefore, retains free metal ions while allowing strongly complexed metal ions to pass (Kent and Maeder, 1999).

Methods of analysis for all laboratory parameters changed during the study period and are described in table 5. Concentrations of selected anions, DIC, and DOC were determined for water samples by the USGS National Research Program laboratory in Boulder, CO. Concentrations of selected inorganic solutes were determined using inductively coupled plasma atomic emission spectroscopy by the USGS National Research Program laboratory in Menlo Park, CA. The descriptions of methods, limits of quantitation, precision, and accuracy for results of analyses for selected inorganic solutes are described in Savoie and others (2004). Minor changes in detection limits in the inorganic solutes analysis resulted from changes in instrumentation and minor modifications to the methods made during the 10-year study period.

Water-Quality Data for Samples Collected in the Treated-Wastewater Plume

Water samples collected from 16 wells and 14 MLS were analyzed for field parameters, concentrations of cations, anions, ammonium, DOC, and DIC, and ultraviolet/visible adsorbance. The field parameters are shown in table 6; concentrations of selected anions and ammonium are shown in table 7; concentrations of DOC and DIC, and ultraviolet/visible absorbance are shown in table 8; and concentrations of selected inorganic solutes are shown in table 9.

- part 1: aluminum, arsenic, boron, barium, calcium, cadmium, cobalt, chromium, copper
- part 2: iron, potassium, magnesium, manganese, molybdenum, sodium, nickel, phosphorous
- part 3: lead, silica, strontium, thallium, uranium, vanadium, zinc

Duplicate analyses for the analytes are included in the data tables and designated by "-D". Samples that were filtered through the Chelex filter are designated by "-X" in table 9.

Summary

During 1994 to 2004, the U.S. Geological Survey collected ground-water samples from wells and multilevel samplers in the treated-wastewater plume that originates from rapid-infiltration disposal beds at the Massachusetts Military Reservation, Cape Cod, Massachusetts. The water samples were collected to study the natural restoration of water quality in the plume since wastewater disposal ended in 1995. This report presents data that complement published and planned research reports about the natural restoration of the plume. The sampled sites (16 monitoring wells and 14 multilevel samplers) are along a 2,300-ft-long transect from the infiltration beds to Ashumet Pond. The chemical data presented include field parameters (specific conductance, pH, dissolved oxygen concentrations, turbidity, temperature, alkalinity); concentrations of cations, anions, ammonium, dissolved organic carbon (DOC), and dissolved inorganic carbon (DIC); and ultraviolet/visible absorbance.

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Table 1. Sampling events and dates for ground-water samples collected from monitoring wells and multilevel samplers in the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994–2004.

[Locations of wells and multilevel samplers are shown in figure 1. M1, M2, M3 indicate multilevel-sampler number.]

Sampling event	Start date	End date	FSW 343 M1, M2, M3	FSW 424 M1, M2	FSW 566 M1, M2	FSW 575 M1, M2	FSW 577 well cluster	FSW 586 well cluster	SDW 436 M1	SDW 469 M1	SDW 473 M1	SDW 474 M1	SDW 521 M1
1994	11/29/2004	12/8/2004	x	x	x								
1995 Event 1	9/13/1995	9/22/1995					x			x	x	x	
1995 Event 2	11/28/1995	12/6/1995					x			x	x	x	
1996 Event 1	1/24/1996	1/26/1996								x	x	x	
1996 Event 2	3/20/1996	3/22/1996								x	x	x	
1996 Event 3	5/15/1996	5/16/1996								x	x	x	
1996 Event 4	6/15/1996	7/30/1996	x	x	x	x	x	x		x	x	x	
1996 Event 5	11/5/1996	11/22/1996	x				x	x		x	x	x	
1997 Event 1	2/3/1997	3/6/1997	x				x	x		x	x		
1997 Event 2	5/8/1997	6/18/1997	x	x	x	x	x	x		x	x	x	
1997 Event 3	8/6/1997	8/26/1997	x				x	x		x	x	x	
1997 Event 4	10/30/1997	11/13/1997	x				x	x		x	x	x	
1998 Event 1	6/2/1998	7/9/1998	x	x	x	x	x	x		x	x	x	
1998 Event 2	10/29/1998	11/19/1998	x				x	x		x	x	x	
1999	6/8/1999	7/12/1999	x	x	x	x	x	x		x	x	x	
2000	6/1/2000	7/19/2000	x	x	x	x	x	x		x	x	x	
2001	7/19/2001	8/29/2001		x						x	x		x
2002	6/6/2002	7/31/2002	x	x	x	x	x	x	x	x	x	x	x
2003	5/16/2003	6/3/2003		x					x	x	x	x	x
2004	7/29/2004	8/26/2004	x	x	x	x	x	x	x	x	x	x	x

Table 2. Location coordinates and land-surface and screen altitudes and altitude of water levels for monitoring wells in the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts.

[Locations of wells are shown in figure 1. Latitude and longitude are given in degrees, minutes, and seconds. Altitudes are in feet above or (-) below NGVD 29. Altitude of water level is estimated from January 1994 measurements (Walter and others, 1996)]

Well	Latitude	Longitude	Altitude of land surface (feet)	Altitude, top of screen (feet)	Altitude, bottom of screen (feet)	Altitude of water level (feet)
FSW 577-0051	413817.2	703236.8	94.31	45.41	43.44	46.1
FSW 577-0061	413817.2	703236.8	94.73	35.72	33.75	46.1
FSW 577-0071	413817.2	703236.8	94.26	25.44	23.47	46.1
FSW 577-0081	413817.2	703236.8	94.61	15.41	13.44	46.1
FSW 577-0097	413817.2	703236.8	95.18	0.15	-1.82	46.1
FSW 577-0111	413817.2	703236.8	94.36	-14.98	-16.95	46.1
FSW 577-0126	413817.2	703236.8	94.64	-29.88	-31.85	46.1
FSW 577-0142	413817.2	703236.8	95.09	-44.65	-46.62	46.1
FSW 586-0058	413815.9	703235.9	99.40	43.15	41.18	45.9
FSW 586-0068	413815.9	703235.9	99.52	33.24	31.27	45.9
FSW 586-0078	413815.9	703235.9	99.71	23.42	21.45	45.9
FSW 586-0088	413815.9	703235.9	99.65	13.60	11.63	45.9
FSW 586-0098	413815.9	703235.9	99.57	3.16	1.19	45.9
FSW 586-0113	413815.9	703235.9	99.76	-11.26	-13.23	45.9
FSW 586-0128	413815.9	703235.9	99.70	-26.48	-28.45	45.9
FSW 586-0143	413815.9	703235.9	99.52	-41.45	-43.42	45.9
SDW 395-0028	413822.3	703235.9	68.72	50.52	40.52	47.0

Table 3. Water-level altitudes for monitoring well SDW 395-0028 in the abandoned rapid-infiltration beds near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994–2004.

[Location of well is shown in figure 1. Altitudes are in feet above NGVD 29]

Water-level date	Altitude of water level (feet)
1/11/1994	46.94
10/19/1994	47.52
9/27/1995	45.73
11/7/1995	45.47
11/30/1995	45.78
12/6/1995	45.78
12/13/1995	45.78
12/21/1995	45.67
12/27/1995	45.66
1/4/1996	45.65
1/24/1996	45.88
2/13/1996	46.20
3/27/1996	47.15
7/23/1996	47.73
10/24/1996	48.87
2/27/1997	49.26
4/29/1997	50.48
11/10/1997	48.34
1/15/1998	47.74
3/4/1998	49.37
5/11/1998	51.31
7/14/1998	51.02
12/1/1998	48.76
2/9/1999	48.03
4/27/1999	48.62
5/14/1999	48.65
5/14/1999	48.65
5/26/1999	48.59
7/14/1999	47.98
11/19/1999	46.93
4/20/2000	46.70
8/9/2000	47.97
6/7/2001	48.77
6/27/2001	48.24
1/23/2002	46.12
3/18/2002	45.67
4/9/2002	45.76
7/18/2002	46.10
2/12/2004	48.45

Table 4. Location coordinates and land-surface and sampling-port altitudes and approximate altitude of water levels for multilevel samplers in the treated-wastewater plume, Ashumet Valley, Massachusetts.

[Locations of multilevel samplers are shown in figure 1. Latitude and longitude are given in degrees, minutes, and seconds. Altitudes are in feet above or (-) below NGVD 29. Altitude of water level is estimated from January 1994 measurements (Walter and others, 1996)]

Multilevel-sampler port	Latitude	Longitude	Altitude of land surface (feet)	Altitude of sampling port (feet)	Approximate altitude of water level (feet)
FSW 343-M01-01PT	413814.59	703235.12	68.9	-5.52	45.7
FSW 343-M01-02GNT	413814.59	703235.12	68.9	-10.52	45.7
FSW 343-M01-03RT	413814.59	703235.12	68.9	-15.52	45.7
FSW 343-M01-04BUT	413814.59	703235.12	68.9	-20.52	45.7
FSW 343-M01-05BKT	413814.59	703235.12	68.9	-25.52	45.7
FSW 343-M01-06WT	413814.59	703235.12	68.9	-30.52	45.7
FSW 343-M01-07O	413814.59	703235.12	68.9	-35.52	45.7
FSW 343-M01-08GY	413814.59	703235.12	68.9	-40.52	45.7
FSW 343-M01-09Y	413814.59	703235.12	68.9	-43.52	45.7
FSW 343-M01-10P	413814.59	703235.12	68.9	-46.52	45.7
FSW 343-M01-11GN	413814.59	703235.12	68.9	-49.52	45.7
FSW 343-M01-12R	413814.59	703235.12	68.9	-52.52	45.7
FSW 343-M01-13BU	413814.59	703235.12	68.9	-55.52	45.7
FSW 343-M01-14BK	413814.59	703235.12	68.9	-58.52	45.7
FSW 343-M01-15W	413814.59	703235.12	68.9	-61.52	45.7
FSW 343-M02-01PT	413814.62	703235.08	68.9	36.51	45.7
FSW 343-M02-02GNT	413814.62	703235.08	68.9	33.51	45.7
FSW 343-M02-03RT	413814.62	703235.08	68.9	30.51	45.7
FSW 343-M02-04BUT	413814.62	703235.08	68.9	27.51	45.7
FSW 343-M02-05BKT	413814.62	703235.08	68.9	24.51	45.7
FSW 343-M02-06WT	413814.62	703235.08	68.9	21.51	45.7
FSW 343-M02-07O	413814.62	703235.08	68.9	18.51	45.7
FSW 343-M02-08GY	413814.62	703235.08	68.9	15.51	45.7
FSW 343-M02-09Y	413814.62	703235.08	68.9	12.51	45.7
FSW 343-M02-10P	413814.62	703235.08	68.9	9.51	45.7
FSW 343-M02-11GN	413814.62	703235.08	68.9	6.51	45.7
FSW 343-M02-12R	413814.62	703235.08	68.9	3.51	45.7
FSW 343-M02-13BU	413814.62	703235.08	68.9	0.51	45.7
FSW 343-M02-14BK	413814.62	703235.08	68.9	-2.49	45.7
FSW 343-M02-15W	413814.62	703235.08	68.9	-5.49	45.7
FSW 343-M03-01PT (1-19)	413814.38	703235.01	68.7	45.24	45.7
FSW 343-M03-02GNT (1-19)	413814.38	703235.01	68.7	44.41	45.7
FSW 343-M03-03RT (1-19)	413814.38	703235.01	68.7	43.58	45.7
FSW 343-M03-04BUT(1-19)	413814.38	703235.01	68.7	42.68	45.7
FSW 343-M03-05BKT(1-19)	413814.38	703235.01	68.7	41.84	45.7
FSW 343-M03-06WT (1-19)	413814.38	703235.01	68.7	41.01	45.7

Table 4. Location coordinates and land-surface and sampling-port altitudes and approximate altitude of water levels for multilevel samplers in the treated-wastewater plume, Ashumet Valley, Massachusetts.

[Locations of multilevel samplers are shown in figure 1. Latitude and longitude are given in degrees, minutes, and seconds. Altitudes are in feet above or (-) below NGVD 29. Altitude of water level is estimated from January 1994 measurements (Walter and others, 1996)]

Multilevel-sampler port	Latitude	Longitude	Altitude of land surface (feet)	Altitude of sampling port (feet)	Approximate altitude of water level (feet)
FSW 343-M03-07O (1-19)	413814.38	703235.01	68.7	40.18	45.7
FSW 343-M03-08GY (1-19)	413814.38	703235.01	68.7	39.34	45.7
FSW 343-M03-09Y (1-19)	413814.38	703235.01	68.7	38.51	45.7
FSW 343-M03-10P (1-19)	413814.38	703235.01	68.7	37.68	45.7
FSW 343-M03-11GN (1-19)	413814.38	703235.01	68.7	36.84	45.7
FSW 343-M03-12R (1-19)	413814.38	703235.01	68.7	36.01	45.7
FSW 343-M03-13BU (1-19)	413814.38	703235.01	68.7	35.18	45.7
FSW 343-M03-14BK (1-19)	413814.38	703235.01	68.7	34.34	45.7
FSW 343-M03-15W (1-19)	413814.38	703235.01	68.7	33.51	45.7
FSW 424-M01-01PT	413804.75	703228.23	57.9	5.81	44.1
FSW 424-M01-02GNT	413804.75	703228.23	57.9	0.82	44.1
FSW 424-M01-03RT	413804.75	703228.23	57.9	-4.18	44.1
FSW 424-M01-04BUT	413804.75	703228.23	57.9	-9.17	44.1
FSW 424-M01-05BKT	413804.75	703228.23	57.9	-14.17	44.1
FSW 424-M01-06WT	413804.75	703228.23	57.9	-19.16	44.1
FSW 424-M01-07O	413804.75	703228.23	57.9	-24.16	44.1
FSW 424-M01-08GY	413804.75	703228.23	57.9	-29.15	44.1
FSW 424-M01-09Y	413804.75	703228.23	57.9	-34.15	44.1
FSW 424-M01-10P	413804.75	703228.23	57.9	-39.14	44.1
FSW 424-M01-11GN	413804.75	703228.23	57.9	-44.14	44.1
FSW 424-M01-12R	413804.75	703228.23	57.9	-49.12	44.1
FSW 424-M01-13BU	413804.75	703228.23	57.9	-54.12	44.1
FSW 424-M01-14BK	413804.75	703228.23	57.9	-59.10	44.1
FSW 424-M01-15W	413804.75	703228.23	57.9	-64.10	44.1
FSW 424-M02-01PT 72-13	413804.88	703228.12	56.9	44.04	44.1
FSW 424-M02-02GNT 72-13	413804.88	703228.12	56.9	41.54	44.1
FSW 424-M02-03RT 72-13	413804.88	703228.12	56.9	39.04	44.1
FSW 424-M02-04BUT 72-13	413804.88	703228.12	56.9	36.52	44.1
FSW 424-M02-05BKT 72-13	413804.88	703228.12	56.9	34.02	44.1
FSW 424-M02-06WT 72-13	413804.88	703228.12	56.9	31.52	44.1
FSW 424-M02-07O 72-13	413804.88	703228.12	56.9	29.02	44.1
FSW 424-M02-08GY 72-13	413804.88	703228.12	56.9	26.50	44.1
FSW 424-M02-09Y 72-13	413804.88	703228.12	56.9	24.00	44.1
FSW 424-M02-10P 72-13	413804.88	703228.12	56.9	21.50	44.1
FSW 424-M02-11GN 72-13	413804.88	703228.12	56.9	19.00	44.1
FSW 424-M02-12R 72-13	413804.88	703228.12	56.9	16.48	44.1

Table 4. Location coordinates and land-surface and sampling-port altitudes and approximate altitude of water levels for multilevel samplers in the treated-wastewater plume, Ashumet Valley, Massachusetts.

[Locations of multilevel samplers are shown in figure 1. Latitude and longitude are given in degrees, minutes, and seconds. Altitudes are in feet above or (-) below NGVD 29. Altitude of water level is estimated from January 1994 measurements (Walter and others, 1996)]

Multilevel-sampler port	Latitude	Longitude	Altitude of land surface (feet)	Altitude of sampling port (feet)	Approximate altitude of water level (feet)
FSW 424-M02-13BU 72-13	413804.88	703228.12	56.9	13.98	44.1
FSW 424-M02-14BK 72-13	413804.88	703228.12	56.9	11.48	44.1
FSW 424-M02-15W 72-13	413804.88	703228.12	56.9	8.98	44.1
FSW 566-M01-01PT	413807.6	703231.43	60.1	6.96	44.6
FSW 566-M01-02GNT	413807.6	703231.43	60.1	1.95	44.6
FSW 566-M01-03RT	413807.6	703231.43	60.1	-3.05	44.6
FSW 566-M01-04BUT	413807.6	703231.43	60.1	-8.03	44.6
FSW 566-M01-05BKT	413807.6	703231.43	60.1	-13.03	44.6
FSW 566-M01-06WT	413807.6	703231.43	60.1	-18.01	44.6
FSW 566-M01-07O	413807.6	703231.43	60.1	-23.01	44.6
FSW 566-M01-08GY	413807.6	703231.43	60.1	-28.00	44.6
FSW 566-M01-09Y	413807.6	703231.43	60.1	-33.00	44.6
FSW 566-M01-10P	413807.6	703231.43	60.1	-38.01	44.6
FSW 566-M01-11GN	413807.6	703231.43	60.1	-43.01	44.6
FSW 566-M01-12R	413807.6	703231.43	60.1	-47.99	44.6
FSW 566-M01-13BU	413807.6	703231.43	60.1	-52.99	44.6
FSW 566-M01-14BK	413807.6	703231.43	60.1	-57.98	44.6
FSW 566-M01-15W	413807.6	703231.43	60.1	-62.98	44.6
FSW 566-M02-01PT 65-12	413807.62	703231.35	60.1	41.00	44.6
FSW 566-M02-02GNT 65-12	413807.62	703231.35	60.1	38.92	44.6
FSW 566-M02-03RT 65-12	413807.62	703231.35	60.1	36.84	44.6
FSW 566-M02-04BUT 65-12	413807.62	703231.35	60.1	34.76	44.6
FSW 566-M02-05BKT 65-12	413807.62	703231.35	60.1	32.68	44.6
FSW 566-M02-06WT 65-12	413807.62	703231.35	60.1	30.54	44.6
FSW 566-M02-07O 65-12	413807.62	703231.35	60.1	28.46	44.6
FSW 566-M02-08GY 65-12	413807.62	703231.35	60.1	26.38	44.6
FSW 566-M02-09Y 65-12	413807.62	703231.35	60.1	24.30	44.6
FSW 566-M02-10P 65-12	413807.62	703231.35	60.1	22.22	44.6
FSW 566-M02-11GN 65-12	413807.62	703231.35	60.1	20.22	44.6
FSW 566-M02-12R 65-12	413807.62	703231.35	60.1	18.14	44.6
FSW 566-M02-13BU 65-12	413807.62	703231.35	60.1	16.06	44.6
FSW 566-M02-14BK 65-12	413807.62	703231.35	60.1	13.98	44.6
FSW 566-M02-15W 65-12	413807.62	703231.35	60.1	11.90	44.6
FSW 575-M01-01PT	413810.39	703233.37	59.6	8.14	45.0
FSW 575-M01-02GNT	413810.39	703233.37	59.6	3.12	45.0

Table 4. Location coordinates and land-surface and sampling-port altitudes and approximate altitude of water levels for multilevel samplers in the treated-wastewater plume, Ashumet Valley, Massachusetts.

[Locations of multilevel samplers are shown in figure 1. Latitude and longitude are given in degrees, minutes, and seconds. Altitudes are in feet above or (-) below NGVD 29. Altitude of water level is estimated from January 1994 measurements (Walter and others, 1996)]

Multilevel-sampler port	Latitude	Longitude	Altitude of land surface (feet)	Altitude of sampling port (feet)	Approximate altitude of water level (feet)
FSW 575-M01-03RT	413810.39	703233.37	59.6	-1.88	45.0
FSW 575-M01-04BUT	413810.39	703233.37	59.6	-6.92	45.0
FSW 575-M01-05BKT	413810.39	703233.37	59.6	-11.92	45.0
FSW 575-M01-06WT	413810.39	703233.37	59.6	-16.94	45.0
FSW 575-M01-07O	413810.39	703233.37	59.6	-21.94	45.0
FSW 575-M01-08GY	413810.39	703233.37	59.6	-26.97	45.0
FSW 575-M01-09Y	413810.39	703233.37	59.6	-31.97	45.0
FSW 575-M01-10P	413810.39	703233.37	59.6	-37.00	45.0
FSW 575-M01-11GN	413810.39	703233.37	59.6	-42.00	45.0
FSW 575-M01-12R	413810.39	703233.37	59.6	-47.00	45.0
FSW 575-M01-13BU	413810.39	703233.37	59.6	-52.00	45.0
FSW 575-M01-14BK	413810.39	703233.37	59.6	-57.01	45.0
FSW 575-M01-15W	413810.39	703233.37	59.6	-62.01	45.0
FSW 575-M02-01PT (44-19)	413810.41	703233.31	59.2	41.11	45.0
FSW 575-M02-02GNT (44-19)	413810.41	703233.31	59.2	39.03	45.0
FSW 575-M02-03RT (44-19)	413810.41	703233.31	59.2	36.94	45.0
FSW 575-M02-04BUT (44-19)	413810.41	703233.31	59.2	34.86	45.0
FSW 575-M02-05BKT (44-19)	413810.41	703233.31	59.2	32.78	45.0
FSW 575-M02-06WT (44-19)	413810.41	703233.31	59.2	30.67	45.0
FSW 575-M02-07O (44-19)	413810.41	703233.31	59.2	28.58	45.0
FSW 575-M02-08GY (44-19)	413810.41	703233.31	59.2	26.50	45.0
FSW 575-M02-09Y (44-19)	413810.41	703233.31	59.2	24.42	45.0
FSW 575-M02-10P (44-19)	413810.41	703233.31	59.2	22.33	45.0
FSW 575-M02-11GN (44-19)	413810.41	703233.31	59.2	20.33	45.0
FSW 575-M02-12R (44-19)	413810.41	703233.31	59.2	18.25	45.0
FSW 575-M02-13BU (44-19)	413810.41	703233.31	59.2	16.17	45.0
FSW 575-M02-14BK (44-19)	413810.41	703233.31	59.2	14.08	45.0
FSW 575-M02-15W (44-19)	413810.41	703233.31	59.2	12.00	45.0
SDW 436-M01-01PT	413819.5	703238.9	68.8	46.34	46.5
SDW 436-M01-02GNT	413819.5	703238.9	68.8	43.34	46.5
SDW 436-M01-03RT	413819.5	703238.9	68.8	40.34	46.5
SDW 436-M01-04BUT	413819.5	703238.9	68.8	37.32	46.5
SDW 436-M01-05BKT	413819.5	703238.9	68.8	32.32	46.5
SDW 436-M01-06WT	413819.5	703238.9	68.8	27.30	46.5
SDW 436-M01-07O	413819.5	703238.9	68.8	20.30	46.5
SDW 436-M01-08GY	413819.5	703238.9	68.8	13.29	46.5

Table 4. Location coordinates and land-surface and sampling-port altitudes and approximate altitude of water levels for multilevel samplers in the treated-wastewater plume, Ashumet Valley, Massachusetts.

[Locations of multilevel samplers are shown in figure 1. Latitude and longitude are given in degrees, minutes, and seconds. Altitudes are in feet above or (-) below NGVD 29. Altitude of water level is estimated from January 1994 measurements (Walter and others, 1996)]

Multilevel-sampler port	Latitude	Longitude	Altitude of land surface (feet)	Altitude of sampling port (feet)	Approximate altitude of water level (feet)
SDW 436-M01-09Y	413819.5	703238.9	68.8	6.27	46.5
SDW 436-M01-10P	413819.5	703238.9	68.8	-1.74	46.5
SDW 436-M01-11GN	413819.5	703238.9	68.8	-9.74	46.5
SDW 436-M01-12R	413819.5	703238.9	68.8	-18.75	46.5
SDW 436-M01-13BU	413819.5	703238.9	68.8	-27.77	46.5
SDW 436-M01-14BK	413819.5	703238.9	68.8	-36.78	46.5
SDW 436-M01-15W	413819.5	703238.9	68.8	-46.00	46.5
SDW 469-M01-01PT	413818.3	703238.1	68.8	46.19	46.3
SDW 469-M01-02GNT	413818.3	703238.1	68.8	43.19	46.3
SDW 469-M01-03RT	413818.3	703238.1	68.8	40.19	46.3
SDW 469-M01-04BUT	413818.3	703238.1	68.8	37.18	46.3
SDW 469-M01-05BKT	413818.3	703238.1	68.8	32.18	46.3
SDW 469-M01-06WT	413818.3	703238.1	68.8	27.16	46.3
SDW 469-M01-07O	413818.3	703238.1	68.8	20.16	46.3
SDW 469-M01-08GY	413818.3	703238.1	68.8	13.13	46.3
SDW 469-M01-09Y	413818.3	703238.1	68.8	6.10	46.3
SDW 469-M01-10P	413818.3	703238.1	68.8	-1.92	46.3
SDW 469-M01-11GN	413818.3	703238.1	68.8	-9.92	46.3
SDW 469-M01-12R	413818.3	703238.1	68.8	-18.95	46.3
SDW 469-M01-13BU	413818.3	703238.1	68.8	-27.97	46.3
SDW 469-M01-14BK	413818.3	703238.1	68.8	-36.99	46.3
SDW 469-M01-15W	413818.3	703238.1	68.8	-46.00	46.3
SDW 473-M01-01PT	413821.76	703239.78	69.1	46.53	46.9
SDW 473-M01-02GNT	413821.76	703239.78	69.1	43.53	46.9
SDW 473-M01-03RT	413821.76	703239.78	69.1	40.53	46.9
SDW 473-M01-04BUT	413821.76	703239.78	69.1	37.49	46.9
SDW 473-M01-05BKT	413821.76	703239.78	69.1	32.49	46.9
SDW 473-M01-06WT	413821.76	703239.78	69.1	27.47	46.9
SDW 473-M01-07O	413821.76	703239.78	69.1	20.47	46.9
SDW 473-M01-08GY	413821.76	703239.78	69.1	13.44	46.9
SDW 473-M01-09Y	413821.76	703239.78	69.1	6.40	46.9
SDW 473-M01-10P	413821.76	703239.78	69.1	-1.64	46.9
SDW 473-M01-11GN	413821.76	703239.78	69.1	-9.64	46.9
SDW 473-M01-12R	413821.76	703239.78	69.1	-18.67	46.9
SDW 473-M01-13BU	413821.76	703239.78	69.1	-27.71	46.9
SDW 473-M01-14BK	413821.76	703239.78	69.1	-36.75	46.9

Table 4. Location coordinates and land-surface and sampling-port altitudes and approximate altitude of water levels for multilevel samplers in the treated-wastewater plume, Ashumet Valley, Massachusetts.

[Locations of multilevel samplers are shown in figure 1. Latitude and longitude are given in degrees, minutes, and seconds. Altitudes are in feet above or (-) below NGVD 29. Altitude of water level is estimated from January 1994 measurements (Walter and others, 1996)]

Multilevel-sampler port	Latitude	Longitude	Altitude of land surface (feet)	Altitude of sampling port (feet)	Approximate altitude of water level (feet)
SDW 473-M01-15W	413821.76	703239.78	69.1	-45.79	46.9
SDW 474-M01-01PT	413823.63	703241.86	58.8	46.28	47.2
SDW 474-M01-02GNT	413823.63	703241.86	58.8	43.28	47.2
SDW 474-M01-03RT	413823.63	703241.86	58.8	40.28	47.2
SDW 474-M01-04BUT	413823.63	703241.86	58.8	37.25	47.2
SDW 474-M01-05BKT	413823.63	703241.86	58.8	32.25	47.2
SDW 474-M01-06WT	413823.63	703241.86	58.8	27.22	47.2
SDW 474-M01-07O	413823.63	703241.86	58.8	20.22	47.2
SDW 474-M01-08GY	413823.63	703241.86	58.8	13.20	47.2
SDW 474-M01-09Y	413823.63	703241.86	58.8	6.17	47.2
SDW 474-M01-10P	413823.63	703241.86	58.8	-1.87	47.2
SDW 474-M01-11GN	413823.63	703241.86	58.8	-9.87	47.2
SDW 474-M01-12R	413823.63	703241.86	58.8	-18.90	47.2
SDW 474-M01-13BU	413823.63	703241.86	58.8	-27.93	47.2
SDW 474-M01-14BK	413823.63	703241.86	58.8	-36.96	47.2
SDW 474-M01-15W	413823.63	703241.86	58.8	-46.00	47.2
SDW 521-M01-01PT	413821.16	703239.5	69.4	46.53	46.7
SDW 521-M01-02GNT	413821.16	703239.5	69.4	43.53	46.7
SDW 521-M01-03RT	413821.16	703239.5	69.4	40.53	46.7
SDW 521-M01-04BUT	413821.16	703239.5	69.4	36.43	46.7
SDW 521-M01-05BKT	413821.16	703239.5	69.4	32.43	46.7
SDW 521-M01-06WT	413821.16	703239.5	69.4	27.37	46.7
SDW 521-M01-07O	413821.16	703239.5	69.4	20.37	46.7
SDW 521-M01-08GY	413821.16	703239.5	69.4	13.27	46.7
SDW 521-M01-09Y	413821.16	703239.5	69.4	6.22	46.7
SDW 521-M01-10P	413821.16	703239.5	69.4	-1.89	46.7
SDW 521-M01-11GN	413821.16	703239.5	69.4	-9.89	46.7
SDW 521-M01-12R	413821.16	703239.5	69.4	-18.91	46.7
SDW 521-M01-13BU	413821.16	703239.5	69.4	-27.94	46.7
SDW 521-M01-14BK	413821.16	703239.5	69.4	-36.94	46.7
SDW 521-M01-15W	413821.16	703239.5	69.4	-46.00	46.7

Table 5. Laboratory instrumentation and analytical details for chemical analysis of water samples from wells and multilevel samplers in the treated-wastewater plume, 1994–2004 (Repert and others, 2006).

Sample dates	Instrument used	Analytical details
Nitrate and Chloride		
1994	Alpkem Model RFA-300 flow-injection autoanalyzer	Cadmium reduction and diazotization colorimetric method (Antweiler and others, 1996)
1995 to 1999	Dionex Model DX300 ion chromatograph	AS4A-4 mm column, 1.9 mN Na_2CO_3/ $NaHCO_3$ mobile phase (Smith and others, 2006)
2000 to 2004	Dionex Model DX500 ion chromatograph	AS15A-4 mm column, 34 mN NaOH mobile phase (Smith and others, 2005)
Nitrite		
1994 to 2004	Alpkem Model RFA-300 flow-injection autoanalyzer	Diazotization colorimetric method (Antweiler and others, 1996)
Ammonium		
1994	Alpkem Model RFA-300 flow-injection autoanalyzer	Salicylate/nitroferricyanide colorimetric method (Antweiler and others, 1996)
1995 to 1999	Dionex Model DX100 ion chromatograph	CS12A-4 mm column, 15 mN H_2SO_4 mobile phase (Smith and others, in 2006)
2000 to 2004	Dionex Model DX300 ion chromatograph	CS12A-4 mm column, gradient elution of 5 to 25 mN H_2SO_4 mobile phase (Smith and others, 2005)
Dissolved Organic Carbon		
1994 to 2004	Oceanographic International Model 700 carbon analyzer	Acidification and heated persulfate oxidation, infrared detection (Barber and others, 2001)
1997 to 2004	Seivers Model 800 carbon analyzer	Acidification and ultraviolet light/ammonium persulfate oxidation, conductivity detection (Barber, 2003)
Dissolved Inorganic Carbon		
1994 to 1997	Oceanographic International Model 700 carbon analyzer	Acidification with infrared detection (Barber and others, 2001)
1997 to 1998	Seivers Model 800 carbon analyzer	Acidification with conductivity detection (Barber, 2003)
1998 to 2004	Field data	Calculated from pH and alkalinity
Inorganic Solutes		
1994 to 1999	Thermo-Jarrell Ash Model 61	Inductively coupled plasma atomic emission spectroscopy (Coston and others, 1998)
2000 to 2004	Thermo-Electron Iris Dual View	Inductively coupled plasma atomic emission spectroscopy (Savoie and others, 2004)

Table 6. Field water-quality analyses for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994–2004.

[Locations of wells and multilevel samplers are shown in figure 1. **Dissolved-oxygen method**: C, CHEMetrics colorimetric; M, meter. µS/cm, microsiemen per centimeter at 25 degrees Celsius; mg/L, milligram per liter; NTU, Nephelometric Turbidity Unit; meq/L, milliequivalents per liter; --, no data]

Well or multilevel-sampler port	Date	Specific conduct-ance (µS/cm)	pH (standard units)	Dissolved oxygen (mg/L)	Dissolved oxygen method	Turbidity (NTU)	Temper-ature (degrees Celsius)	Alkalinity (meq/L)
FSW 343-M01-01PT	11/29/1994	290	6.80	0.05	C	0.4	--	--
FSW 343-M01-02GNT	11/29/1994	238	6.80	0.00	C	0.4	--	--
FSW 343-M01-03RT	11/29/1994	152	6.58	0.00	C	0.7	--	--
FSW 343-M01-04BUT	11/29/1994	151	6.93	0.00	C	0.4	--	--
FSW 343-M01-05BKT	11/29/1994	122	6.12	0.80	C	0.2	--	--
FSW 343-M01-06WT	11/29/1994	132	5.94	3.8	M	0.4	--	--
FSW 343-M01-07O	11/29/1994	146	5.83	6.3	M	0.8	--	--
FSW 343-M01-08GY	11/29/1994	156	5.68	6.7	M	0.3	--	--
FSW 343-M01-09Y	11/29/1994	74	5.78	6.8	M	0.5	--	--
FSW 343-M01-10P	11/29/1994	68	5.67	6.7	M	0.4	--	--
FSW 343-M01-11GN	11/29/1994	66	5.79	6.9	M	0.4	--	--
FSW 343-M01-12R	11/29/1994	67	5.14	5.8	M	0.5	--	--
FSW 343-M01-13BU	11/29/1994	76	5.79	6.0	M	1.2	--	--
FSW 343-M01-14BK	11/29/1994	73	5.69	5.6	M	0.7	--	--
FSW 343-M01-15W	11/29/1994	86	5.54	6.0	M	1.2	--	--
FSW 343-M02-01PT	11/29/1994	394	5.94	0.20	C	0.4	--	--
FSW 343-M02-02GNT	11/29/1994	453	6.06	0.15	C	0.4	--	--
FSW 343-M02-03RT	11/29/1994	456	6.14	0.10	C	0.5	--	--
FSW 343-M02-04BUT	11/29/1994	382	6.19	0.08	C	0.8	--	--
FSW 343-M02-05BKT	11/29/1994	371	6.25	0.08	C	3.8	--	--
FSW 343-M02-06WT	11/29/1994	400	6.36	0.08	C	2.4	--	--
FSW 343-M02-07O	11/29/1994	415	6.42	0.06	C	1.2	--	--
FSW 343-M02-08GY	11/29/1994	384	6.68	0.00	C	2.7	--	--
FSW 343-M02-09Y	11/29/1994	405	6.77	0.00	C	1.0	--	--
FSW 343-M02-10P	11/29/1994	390	6.85	0.00	C	1.3	--	--
FSW 343-M02-11GN	11/29/1994	373	6.84	0.00	C	1.0	--	--
FSW 343-M02-12R	11/29/1994	352	6.78	0.00	C	1.3	--	--
FSW 343-M02-13BU	11/29/1994	283	6.80	0.00	C	0.7	--	--
FSW 343-M02-14BK	11/29/1994	271	6.77	0.00	C	0.6	--	--
FSW 343-M02-15W	11/29/1994	256	6.74	0.00	C	0.5	--	--
FSW 343-M03-02GNT (1-19)	11/29/1994	60	5.59	3.8	M	0.2	--	--
FSW 343-M03-03RT (1-19)	11/29/1994	91	5.62	6.4	M	0.1	--	--
FSW 343-M03-04BUT (1-19)	11/29/1994	172	5.66	5.8	M	0.3	--	--
FSW 343-M03-05BKT (1-19)	11/30/1994	244	5.62	1.0	C	1.6	--	--
FSW 343-M03-06WT (1-19)	11/30/1994	244	5.71	0.60	C	2.8	--	--
FSW 343-M03-07O (1-19)	11/30/1994	282	5.73	0.60	C	1.2	--	--
FSW 343-M03-08GY (1-19)	11/30/1994	292	5.89	0.20	C	0.3	--	--
FSW 343-M03-09Y (1-19)	11/30/1994	304	5.99	0.20	C	0.3	--	--

Table 6. Field water-quality analyses for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Locations of wells and multilevel samplers are shown in figure 1. **Dissolved-oxygen method**: C, CHEMetrics colorimetric; M, meter. µS/cm, microsiemen per centimeter at 25 degrees Celsius; mg/L, milligram per liter; NTU, Nephelometric Turbidity Unit; meq/L, milliequivalents per liter; --, no data]

Well or multilevel-sampler port	Date	Specific conduct-ance (µS/cm)	pH (standard units)	Dissolved oxygen (mg/L)	Dissolved oxygen method	Turbidity (NTU)	Temper-ature (degrees Celsius)	Alkalinity (meq/L)
FSW 343-M03-10P (1-19)	11/30/1994	335	6.03	0.20	C	0.4	--	--
FSW 343-M03-11GN (1-19)	11/30/1994	375	6.03	0.15	C	0.3	--	--
FSW 343-M03-12R (1-19)	11/30/1994	421	5.97	0.15	C	0.4	--	--
FSW 343-M03-13BU (1-19)	11/29/1994	451	6.02	0.20	C	0.3	--	--
FSW 343-M03-14BK (1-19)	11/29/1994	473	6.07	0.06	C	0.3	--	--
FSW 343-M03-15W (1-19)	11/29/1994	467	6.04	0.20	C	0.2	--	--
FSW 343-M01-01PT	6/18/1996	326	6.61	0.03	C	0.5	13.0	--
FSW 343-M01-02GNT	6/18/1996	348	6.43	0.00	C	0.6	13.0	--
FSW 343-M01-03RT	6/18/1996	204	6.30	0.80	C	0.5	13.0	--
FSW 343-M01-04BUT	6/18/1996	172	6.10	0.86	M	0.4	13.0	--
FSW 343-M01-05BKT	6/18/1996	141	6.15	1.1	M	0.6	13.5	--
FSW 343-M01-06WT	6/18/1996	122	5.80	3.6	M	0.8	14.0	--
FSW 343-M01-07O	6/18/1996	153	5.80	6.9	M	1.0	14.4	--
FSW 343-M01-08GY	6/18/1996	133	5.59	7.4	M	0.8	14.4	--
FSW 343-M01-09Y	6/18/1996	98	5.53	8.5	M	0.5	13.5	--
FSW 343-M01-10P	6/18/1996	69	5.58	8.2	M	0.4	14.0	--
FSW 343-M01-11GN	6/18/1996	61	5.54	8.2	M	0.4	14.0	--
FSW 343-M01-12R	6/18/1996	74	5.49	7.6	M	0.5	14.0	--
FSW 343-M01-14BK	6/18/1996	69	5.59	8.3	M	0.9	14.0	--
FSW 343-M01-15W	6/18/1996	85	5.54	7.8	M	0.6	14.0	--
FSW 343-M02-01PT	6/17/1996	505	5.49	0.10	C	0.5	15.0	--
FSW 343-M02-02GNT	6/17/1996	512	5.79	0.10	C	0.7	15.0	--
FSW 343-M02-03RT	6/17/1996	497	5.92	--	--	0.5	14.0	--
FSW 343-M02-04BUT	6/18/1996	422	6.11	0.35	C	0.6	15.0	--
FSW 343-M02-05BKT	6/18/1996	432	6.17	0.75	M	0.7	15.0	--
FSW 343-M02-06WT	6/18/1996	444	6.16	0.64	M	0.8	15.0	--
FSW 343-M02-07O	6/18/1996	470	6.24	0.54	M	0.6	13.0	--
FSW 343-M02-08GY	6/18/1996	423	6.35	0.81	M	0.8	13.5	--
FSW 343-M02-09Y	6/18/1996	364	6.66	0.76	M	1.0	14.0	--
FSW 343-M02-10P	6/18/1996	367	6.81	0.60	C	0.8	14.0	--
FSW 343-M02-11GN	6/18/1996	353	6.78	0.15	C	0.6	14.0	--
FSW 343-M02-12R	6/18/1996	338	6.75	0.02	C	0.8	14.0	--
FSW 343-M02-13BU	6/18/1996	439	6.48	0.00	C	1.0	14.0	--
FSW 343-M02-14BK	6/18/1996	412	6.57	0.00	C	0.9	14.0	--
FSW 343-M02-15W	6/18/1996	402	6.51	0.00	C	0.5	14.0	--
FSW 343-M03-01PT (1-19)	6/17/1996	56	5.47	7.8	M	0.5	18.0	--
FSW 343-M03-02GNT (1-19)	6/17/1996	49	5.29	6.7	M	0.4	16.0	--

Table 6. Field water-quality analyses for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Locations of wells and multilevel samplers are shown in figure 1. **Dissolved-oxygen method**: C, CHEMetrics colorimetric; M, meter. µS/cm, microsiemen per centimeter at 25 degrees Celsius; mg/L, milligram per liter; NTU, Nephelometric Turbidity Unit; meq/L, milliequivalents per liter; --, no data]

Well or multilevel-sampler port	Date	Specific conduct-ance (µS/cm)	pH (standard units)	Dissolved oxygen (mg/L)	Dissolved oxygen method	Turbidity (NTU)	Temper-ature (degrees Celsius)	Alkalinity (meq/L)
FSW 343-M03-03RT (1-19)	6/17/1996	63	5.50	4.0	M	0.3	16.0	--
FSW 343-M03-04BUT (1-19)	6/17/1996	87	5.52	5.5	M	0.4	16.0	--
FSW 343-M03-05BKT (1-19)	6/17/1996	117	5.62	5.3	M	0.5	15.0	--
FSW 343-M03-06WT (1-19)	6/17/1996	170	5.58	5.3	M	0.4	15.0	--
FSW 343-M03-07O (1-19)	6/17/1996	240	5.60	3.5	M	0.5	14.0	--
FSW 343-M03-08GY (1-19)	6/17/1996	371	5.55	1.5	M	0.2	15.0	--
FSW 343-M03-09Y (1-19)	6/17/1996	463	5.60	0.84	M	0.3	15.0	--
FSW 343-M03-10P (1-19)	6/17/1996	489	5.64	0.47	M	0.3	15.0	--
FSW 343-M03-11GN (1-19)	6/17/1996	496	5.65	0.84	M	0.3	15.0	--
FSW 343-M03-12R (1-19)	6/17/1996	503	5.81	0.42	M	0.3	14.0	--
FSW 343-M03-13BU (1-19)	6/17/1996	502	5.69	1.06	M	0.5	15.0	--
FSW 343-M03-14BK (1-19)	6/17/1996	499	5.75	0.68	M	0.4	14.0	--
FSW 343-M03-15W (1-19)	6/17/1996	496	5.83	0.91	M	0.5	14.0	--
FSW 343-M01-01PT	11/18/1996	392	6.53	0.04	C	1.2	12.4	--
FSW 343-M01-02GNT	11/18/1996	349	6.41	0.02	C	0.5	12.3	--
FSW 343-M01-03RT	11/18/1996	292	5.98	0.19	C	0.4	12.4	--
FSW 343-M01-04BUT	11/18/1996	223	5.95	0.36	C	0.3	12.4	--
FSW 343-M01-05BKT	11/18/1996	251	5.71	0.17	C	0.4	12.2	--
FSW 343-M01-06WT	11/18/1996	124	5.74	6.7	M	0.4	12.2	--
FSW 343-M01-07O	11/18/1996	110	5.78	6.2	M	0.5	12.3	--
FSW 343-M01-08GY	11/18/1996	74	5.74	7.9	M	0.4	12.6	--
FSW 343-M01-09Y	11/18/1996	61	5.93	8.7	M	0.4	12.3	--
FSW 343-M01-10P	11/18/1996	59	5.66	8.3	M	0.4	12.3	--
FSW 343-M01-11GN	11/18/1996	59	5.65	8.3	M	0.5	12.3	--
FSW 343-M01-12R	11/18/1996	69	5.54	8.0	M	0.4	12.3	--
FSW 343-M01-14BK	11/18/1996	75	5.67	8.0	M	0.5	12.3	--
FSW 343-M01-15W	11/18/1996	84	5.67	8.1	M	0.4	12.8	--
FSW 343-M02-01PT	11/18/1996	383	5.80	0.05	C	0.8	11.7	--
FSW 343-M02-02GNT	11/18/1996	439	5.93	0.05	C	0.9	11.6	--
FSW 343-M02-03RT	11/18/1996	445	5.96	0.04	C	0.7	11.6	--
FSW 343-M02-04BUT	11/18/1996	419	6.19	0.05	C	0.8	11.5	--
FSW 343-M02-05BKT	11/18/1996	407	6.11	0.02	C	1.8	11.7	--
FSW 343-M02-06WT	11/18/1996	412	6.12	0.14	C	1.5	11.7	--
FSW 343-M02-07O	11/18/1996	410	6.14	0.05	C	0.7	11.7	--
FSW 343-M02-08GY	11/18/1996	384	6.33	0.23	C	2.6	11.7	--
FSW 343-M02-09Y	11/18/1996	403	6.42	0.00	C	2.0	11.7	--
FSW 343-M02-10P	11/18/1996	407	6.65	0.02	C	0.7	11.7	--
FSW 343-M02-11GN	11/18/1996	413	6.60	0.05	C	0.9	11.7	--

Table 6. Field water-quality analyses for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Locations of wells and multilevel samplers are shown in figure 1. **Dissolved-oxygen method**: C, CHEMetrics colorimetric; M, meter. µS/cm, microsiemen per centimeter at 25 degrees Celsius; mg/L, milligram per liter; NTU, Nephelometric Turbidity Unit; meq/L, milliequivalents per liter; --, no data]

Well or multilevel-sampler port	Date	Specific conduct-ance (µS/cm)	pH (standard units)	Dissolved oxygen (mg/L)	Dissolved oxygen method	Turbidity (NTU)	Temper-ature (degrees Celsius)	Alkalinity (meq/L)
FSW 343-M02-12R	11/18/1996	432	6.55	0.07	C	1.3	11.7	--
FSW 343-M02-13BU	11/18/1996	446	6.45	0.00	C	1.7	11.8	--
FSW 343-M02-14BK	11/18/1996	411	6.50	0.02	C	1.3	11.8	--
FSW 343-M02-15W	11/18/1996	317	6.38	0.01	C	1.4	11.9	--
FSW 343-M03-01PT (1-19)	11/18/1996	49	5.34	7.8	M	2.9	12.6	--
FSW 343-M03-02GNT (1-19)	11/18/1996	55	5.20	5.7	M	0.3	12.8	--
FSW 343-M03-03RT (1-19)	11/18/1996	52	5.33	5.6	M	0.3	12.7	--
FSW 343-M03-04BUT (1-19)	11/18/1996	69	5.52	9.0	M	0.3	12.7	--
FSW 343-M03-05BKT (1-19)	11/18/1996	69	5.61	7.9	M	0.4	12.6	--
FSW 343-M03-06WT (1-19)	11/18/1996	72	5.75	6.6	M	0.5	12.5	--
FSW 343-M03-07O (1-19)	11/18/1996	80	5.77	4.4	M	1.3	12.4	--
FSW 343-M03-08GY (1-19)	11/18/1996	108	5.87	1.6	M	1.1	12.5	--
FSW 343-M03-09Y (1-19)	11/18/1996	163	5.84	0.17	C	0.6	12.5	--
FSW 343-M03-10P (1-19)	11/18/1996	252	5.79	0.51	C	0.6	12.5	--
FSW 343-M03-11GN (1-19)	11/18/1996	303	5.74	0.10	C	0.4	12.4	--
FSW 343-M03-12R (1-19)	11/18/1996	359	5.83	0.25	C	0.5	12.3	--
FSW 343-M03-13BU (1-19)	11/18/1996	398	5.78	0.12	C	0.4	12.4	--
FSW 343-M03-14BK (1-19)	11/18/1996	416	5.88	0.16	C	0.4	12.5	--
FSW 343-M03-15W (1-19)	11/18/1996	427	5.90	0.11	C	0.3	12.5	--
FSW 343-M01-01PT	2/19/1997	--	--	--	--	--	--	--
FSW 343-M01-02GNT	2/19/1997	282	6.29	0.00	C	1.6	11.4	--
FSW 343-M01-03RT	2/19/1997	201	6.01	0.08	C	0.6	11.5	--
FSW 343-M01-04BUT	2/19/1997	180	6.01	0.17	C	0.6	11.1	--
FSW 343-M01-05BKT	2/19/1997	119	5.84	0.91	C	0.7	11.2	--
FSW 343-M01-06WT	2/19/1997	62	5.92	7.8	M	1.0	11.5	--
FSW 343-M01-07O	2/19/1997	102	5.71	7.0	M	0.7	11.2	--
FSW 343-M01-08GY	2/19/1997	70	5.73	7.6	M	0.6	11.2	--
FSW 343-M01-09Y	2/19/1997	76	5.69	7.6	M	0.5	10.8	--
FSW 343-M01-10P	2/19/1997	83	5.58	7.7	M	0.6	10.7	--
FSW 343-M02-01PT	2/19/1997	--	--	--	--	--	--	--
FSW 343-M02-02GNT	2/19/1997	--	--	--	--	--	--	--
FSW 343-M02-03RT	2/19/1997	471	6.00	0.08	C	0.8	11.5	--
FSW 343-M02-04BUT	2/19/1997	458	6.06	0.07	C	1.0	11.5	--
FSW 343-M02-05BKT	2/19/1997	448	6.20	0.05	C	1.1	11.6	--
FSW 343-M02-06WT	2/19/1997	420	6.22	0.13	C	1.4	11.6	--
FSW 343-M02-07O	2/19/1997	416	6.23	0.07	C	0.8	11.7	--
FSW 343-M02-08GY	2/19/1997	412	6.28	0.25	C	1.1	11.7	--

Table 6. Field water-quality analyses for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Specific conduct-ance (µS/cm)	pH (standard units)	Dissolved oxygen (mg/L)	Dissolved oxygen method	Turbidity (NTU)	Temper-ature (degrees Celsius)	Alkalinity (meq/L)
FSW 343-M02-09Y	2/19/1997	350	6.47	0.00	C	1.7	11.5	--
FSW 343-M02-10P	2/19/1997	395	6.65	0.00	C	2.7	11.6	--
FSW 343-M02-11GN	2/19/1997	398	6.63	0.00	C	2.3	11.8	--
FSW 343-M02-12R	2/19/1997	397	6.52	0.00	C	1.2	11.6	--
FSW 343-M02-13BU	2/19/1997	361	6.57	0.00	C	2.6	11.4	--
FSW 343-M02-14BK	2/19/1997	351	6.56	0.00	C	2.1	11.4	--
FSW 343-M02-15W	2/19/1997	306	6.42	0.00	C	4.9	11.6	--
FSW 343-M03-01PT (1-19)	2/19/1997	44	5.46	5.0	M	0.5	11.1	--
FSW 343-M03-02GNT (1-19)	2/19/1997	62	5.23	4.3	M	0.6	11.3	--
FSW 343-M03-03RT (1-19)	2/19/1997	66	5.23	1.3	M	0.4	11.3	--
FSW 343-M03-04BUT (1-19)	2/19/1997	69	5.71	0.24	C	0.7	11.2	--
FSW 343-M03-05BKT (1-19)	2/19/1997	79	5.69	1.3	M	0.6	11.4	--
FSW 343-M03-06WT (1-19)	2/19/1997	90	5.67	1.5	M	0.6	11.5	--
FSW 343-M03-07O (1-19)	2/19/1997	149	5.66	0.27	C	0.5	11.5	--
FSW 343-M03-08GY (1-19)	2/19/1997	196	5.74	0.08	C	0.6	11.6	--
FSW 343-M03-09Y (1-19)	2/19/1997	225	5.89	0.14	C	0.6	11.9	--
FSW 343-M03-10P (1-19)	2/19/1997	344	5.76	0.18	C	0.6	11.8	--
FSW 343-M03-11GN (1-19)	2/19/1997	422	5.77	0.04	C	0.5	11.7	--
FSW 343-M03-12R (1-19)	2/19/1997	444	5.78	0.09	C	0.6	11.7	--
FSW 343-M03-13BU (1-19)	2/19/1997	459	5.81	0.15	C	0.6	11.8	--
FSW 343-M03-14BK (1-19)	2/19/1997	466	5.83	0.12	C	0.5	11.7	--
FSW 343-M03-15W (1-19)	2/19/1997	472	5.91	0.18	C	0.7	11.8	--
FSW 343-M01-01PT	5/14/1997	--	--	--	--	--	--	--
FSW 343-M01-02GNT	5/14/1997	179	6.27	0.00	C	0.5	11.9	--
FSW 343-M01-03RT	5/14/1997	158	6.21	0.20	C	0.4	12.1	--
FSW 343-M01-04BUT	5/14/1997	148	6.16	0.15	C	0.4	12.1	--
FSW 343-M01-05BKT	5/14/1997	108	6.03	4.3	M	1.0	12.1	--
FSW 343-M01-06WT	5/14/1997	59	6.10	8.1	M	2.6	12.2	--
FSW 343-M01-07O	5/14/1997	62	5.94	8.2	M	1.6	12.2	--
FSW 343-M01-08GY	5/14/1997	64	5.88	7.7	M	0.6	12.5	--
FSW 343-M01-09Y	5/14/1997	88	5.70	8.4	M	0.6	13.0	--
FSW 343-M01-10P	5/14/1997	89	5.60	8.4	M	0.5	13.1	--
FSW 343-M02-01PT	5/15/1997	--	--	--	--	--	--	--
FSW 343-M02-02GNT	5/15/1997	--	--	--	--	--	--	--
FSW 343-M02-03RT	5/15/1997	464	6.10	0.14	C	1.8	12.8	--
FSW 343-M02-04BUT	5/15/1997	318	6.25	0.21	C	0.6	12.7	--
FSW 343-M02-05BKT	5/15/1997	259	6.33	0.16	C	1.1	12.8	--

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Well or multilevel-sampler port	Date	Specific conduct-ance (µS/cm)	pH (standard units)	Dissolved oxygen (mg/L)	Dissolved oxygen method	Turbidity (NTU)	Temper-ature (degrees Celsius)	Alkalinity (meq/L)
FSW 343-M02-06WT	5/15/1997	297	6.37	0.22	C	0.8	12.4	--
FSW 343-M02-07O	5/15/1997	382	6.41	0.53	C	1.6	12.7	--
FSW 343-M02-08GY	5/15/1997	483	6.38	0.17	M	0.6	12.6	--
FSW 343-M02-09Y	5/15/1997	415	6.47	0.31	C	0.7	12.6	--
FSW 343-M02-10P	5/15/1997	316	6.91	0.00	C	1.3	12.2	--
FSW 343-M02-11GN	5/15/1997	356	6.88	0.00	C	0.6	12.6	--
FSW 343-M02-12R	5/15/1997	324	6.83	0.00	C	0.8	12.4	--
FSW 343-M02-13BU	5/15/1997	206	6.83	0.53	C	1.1	12.2	--
FSW 343-M02-14BK	5/15/1997	230	6.82	0.55	C	1.2	12.4	--
FSW 343-M02-15W	5/15/1997	173	6.66	0.10	C	1.0	13.2	--
FSW 343-M03-01PT (1-19)	5/15/1997	46	5.63	7.3	M	0.5	11.3	--
FSW 343-M03-02GNT (1-19)	5/15/1997	50	5.51	7.6	M	0.5	11.4	--
FSW 343-M03-03RT (1-19)	5/15/1997	65	5.46	9.4	M	0.4	11.4	--
FSW 343-M03-04BUT (1-19)	5/15/1997	68	5.80	7.5	M	0.6	12.2	--
FSW 343-M03-05BKT (1-19)	5/15/1997	74	5.83	6.2	M	0.6	12.0	--
FSW 343-M03-06WT (1-19)	5/15/1997	83	5.84	6.1	M	0.7	13.0	--
FSW 343-M03-07O (1-19)	5/15/1997	118	5.82	3.7	M	0.6	12.9	--
FSW 343-M03-08GY (1-19)	5/15/1997	138	5.92	2.6	M	0.5	13.0	--
FSW 343-M03-09Y (1-19)	5/15/1997	210	5.94	1.2	M	0.4	12.8	--
FSW 343-M03-10P (1-19)	5/15/1997	332	5.84	0.27	C	0.4	12.7	--
FSW 343-M03-11GN (1-19)	5/15/1997	391	5.84	0.05	M	0.6	14.5	--
FSW 343-M03-12R (1-19)	5/15/1997	417	5.89	0.11	C	0.4	13.5	--
FSW 343-M03-13BU (1-19)	5/15/1997	416	5.88	0.08	C	0.4	13.0	--
FSW 343-M03-14BK (1-19)	5/15/1997	439	5.92	0.07	M	0.4	13.1	--
FSW 343-M03-15W (1-19)	5/15/1997	427	6.01	0.35	C	1.0	13.4	--
FSW 343-M01-01PT	8/6/1997	--	--	--	--	--	--	--
FSW 343-M01-02GNT	8/6/1997	148	6.38	0.00	C	0.9	14.3	--
FSW 343-M01-03RT	8/6/1997	114	6.13	0.09	C	0.3	13.9	--
FSW 343-M01-04BUT	8/6/1997	94	6.28	0.35	C	1.1	14.2	--
FSW 343-M01-05BKT	8/6/1997	62	6.19	7.1	M	1.2	14.1	--
FSW 343-M01-06WT	8/6/1997	59	5.85	7.5	M	0.9	14.5	--
FSW 343-M01-07O	8/6/1997	63	5.93	7.9	M	1.3	14.3	--
FSW 343-M01-08GY	8/6/1997	82	5.73	7.3	M	0.9	15.1	--
FSW 343-M01-09Y	8/6/1997	86	5.63	8.2	M	0.8	15.2	--
FSW 343-M01-10P	8/6/1997	86	5.59	7.8	M	0.6	15.7	--
FSW 343-M02-01PT	8/6/1997	--	--	--	--	--	--	--
FSW 343-M02-02GNT	8/6/1997	--	--	--	--	--	--	--

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Well or multilevel-sampler port	Date	Specific conduct-ance (µS/cm)	pH (standard units)	Dissolved oxygen (mg/L)	Dissolved oxygen method	Turbidity (NTU)	Temper-ature (degrees Celsius)	Alkalinity (meq/L)
FSW 343-M02-03RT	8/6/1997	266	6.08	0.04	C	1.9	13.4	--
FSW 343-M02-04BUT	8/6/1997	256	6.14	0.02	C	1.4	13.4	--
FSW 343-M02-05BKT	8/6/1997	282	6.19	0.01	C	0.7	13.1	--
FSW 343-M02-06WT	8/6/1997	288	6.24	0.04	C	0.9	13.5	--
FSW 343-M02-07O	8/6/1997	371	6.30	0.01	C	3.6	13.6	--
FSW 343-M02-08GY	8/6/1997	360	6.33	0.04	C	1.6	13.4	--
FSW 343-M02-09Y	8/6/1997	234	6.53	0.03	C	3.0	13.5	--
FSW 343-M02-10P	8/6/1997	306	6.76	0.00	C	3.0	13.6	--
FSW 343-M02-11GN	8/6/1997	261	6.80	0.00	C	1.7	13.8	--
FSW 343-M02-12R	8/6/1997	205	6.74	0.00	C	1.9	13.8	--
FSW 343-M02-13BU	8/6/1997	199	6.65	0.00	C	1.2	13.5	--
FSW 343-M02-14BK	8/6/1997	200	6.67	0.00	C	2.8	13.5	--
FSW 343-M02-15W	8/6/1997	169	6.53	0.00	C	1.1	14.3	--
FSW 343-M03-01PT (1-19)	8/7/1997	64	5.48	6.6	M	0.4	16.6	--
FSW 343-M03-02GNT (1-19)	8/7/1997	64	5.24	6.7	M	0.5	18.0	--
FSW 343-M03-03RT (1-19)	8/7/1997	64	5.30	3.1	M	0.4	16.0	--
FSW 343-M03-04BUT (1-19)	8/7/1997	73	5.65	3.0	M	0.9	16.2	--
FSW 343-M03-05BKT (1-19)	8/7/1997	88	5.68	3.1	M	0.7	15.6	--
FSW 343-M03-06WT (1-19)	8/7/1997	100	5.77	2.8	M	1.2	16.5	--
FSW 343-M03-07O (1-19)	8/7/1997	137	5.80	1.0	M	1.2	16.5	--
FSW 343-M03-08GY (1-19)	8/7/1997	145	5.92	0.10	C	2.9	17.6	--
FSW 343-M03-09Y (1-19)	8/7/1997	200	5.92	0.07	C	0.9	15.2	--
FSW 343-M03-10P (1-19)	8/7/1997	250	5.91	0.09	C	1.0	16.4	--
FSW 343-M03-11GN (1-19)	8/7/1997	289	5.91	0.07	C	0.7	18.3	--
FSW 343-M03-12R (1-19)	8/7/1997	312	5.92	0.06	C	0.6	16.8	--
FSW 343-M03-13BU (1-19)	8/7/1997	324	5.92	0.05	C	0.7	15.5	--
FSW 343-M03-14BK (1-19)	8/7/1997	297	5.95	0.10	C	1.0	15.3	--
FSW 343-M03-15W (1-19)	8/7/1997	234	6.07	0.12	C	1.0	16.2	--
FSW 343-M01-01PT	10/30/1997	--	--	--	--	--	--	--
FSW 343-M01-02GNT	10/30/1997	124	6.19	0.00	C	0.2	13.1	--
FSW 343-M01-03RT	10/30/1997	92	6.15	0.07	C	0.3	13.3	--
FSW 343-M01-04BUT	10/30/1997	84	6.22	0.09	C	0.5	13.2	--
FSW 343-M01-05BKT	10/30/1997	60	5.91	6.8	M	0.4	13.4	--
FSW 343-M01-06WT	10/30/1997	60	5.80	7.1	M	0.6	13.6	--
FSW 343-M01-07O	10/30/1997	62	5.90	7.3	M	0.6	13.7	--
FSW 343-M01-08GY	10/30/1997	84	5.65	7.0	M	0.2	14.5	--
FSW 343-M01-09Y	10/30/1997	88	5.62	7.3	M	0.3	13.9	--
FSW 343-M01-10P	10/30/1997	83	5.62	7.3	M	0.3	14.2	--

Table 6. Field water-quality analyses for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Locations of wells and multilevel samplers are shown in figure 1. **Dissolved-oxygen method**: C, CHEMetrics colorimetric; M, meter. µS/cm, microsiemen per centimeter at 25 degrees Celsius; mg/L, milligram per liter; NTU, Nephelometric Turbidity Unit; meq/L, milliequivalents per liter; --, no data]

Well or multilevel-sampler port	Date	Specific conductance (µS/cm)	pH (standard units)	Dissolved oxygen (mg/L)	Dissolved oxygen method	Turbidity (NTU)	Temperature (degrees Celsius)	Alkalinity (meq/L)
FSW 343-M02-01PT	10/30/1997	--	--	--	--	--	--	--
FSW 343-M02-02GNT	10/30/1997	--	--	--	--	--	--	--
FSW 343-M02-03RT	10/30/1997	211	6.11	0.11	C	0.5	12.7	--
FSW 343-M02-04BUT	10/30/1997	281	6.05	0.04	C	0.4	12.7	--
FSW 343-M02-05BKT	10/30/1997	286	6.11	0.02	C	0.9	12.6	--
FSW 343-M02-06WT	10/30/1997	274	6.20	0.02	C	0.3	12.7	--
FSW 343-M02-07O	10/30/1997	235	6.39	0.05	C	0.4	12.7	--
FSW 343-M02-08GY	10/30/1997	229	6.44	0.06	C	0.7	12.7	--
FSW 343-M02-09Y	10/30/1997	230	6.49	0.07	C	0.5	12.7	--
FSW 343-M02-10P	10/30/1997	220	6.79	0.00	C	1.0	12.8	--
FSW 343-M02-11GN	10/30/1997	197	6.75	0.00	C	0.6	13.0	--
FSW 343-M02-12R	10/30/1997	197	6.76	0.00	C	0.9	12.8	--
FSW 343-M02-13BU	10/30/1997	220	6.66	0.00	C	0.4	12.8	--
FSW 343-M02-14BK	10/30/1997	197	6.64	0.00	C	0.5	12.9	--
FSW 343-M02-15W	10/30/1997	175	6.61	0.00	C	0.4	13.4	--
FSW 343-M03-01PT (1-19)	10/30/1997	55	5.23	2.3	M	0.2	13.2	--
FSW 343-M03-02GNT (1-19)	10/30/1997	62	5.09	2.1	M	0.9	12.9	--
FSW 343-M03-03RT (1-19)	10/30/1997	62	5.21	0.26	M	0.4	13.1	--
FSW 343-M03-04BUT (1-19)	10/30/1997	71	5.72	1.4	M	0.5	13.1	--
FSW 343-M03-05BKT (1-19)	10/30/1997	70	5.66	3.1	M	0.7	12.9	--
FSW 343-M03-06WT (1-19)	10/30/1997	79	5.72	4.4	M	1.8	13.0	--
FSW 343-M03-07O (1-19)	10/30/1997	114	5.76	2.8	M	0.4	12.9	--
FSW 343-M03-08GY (1-19)	10/30/1997	198	5.75	0.35	C	0.4	12.8	--
FSW 343-M03-09Y (1-19)	10/30/1997	240	5.81	0.05	C	0.3	12.8	--
FSW 343-M03-10P (1-19)	10/30/1997	266	5.86	0.05	C	0.4	12.8	--
FSW 343-M03-11GN (1-19)	10/30/1997	294	5.87	0.06	C	0.4	12.8	--
FSW 343-M03-12R (1-19)	10/30/1997	316	5.86	0.04	C	0.3	12.9	--
FSW 343-M03-13BU (1-19)	10/30/1997	315	5.88	0.03	C	0.3	12.8	--
FSW 343-M03-14BK (1-19)	10/30/1997	292	5.94	0.06	C	0.3	12.8	--
FSW 343-M03-15W (1-19)	10/30/1997	247	5.99	0.40	C	0.4	12.9	--
FSW 343-M01-01PT	6/2/1998	--	--	--	--	--	--	--
FSW 343-M01-02GNT	6/2/1998	108	6.30	0.00	C	0.9	12.9	0.25
FSW 343-M01-03RT	6/2/1998	77	6.16	0.38	C	1.4	13.4	0.51
FSW 343-M01-04BUT	6/2/1998	70	6.14	4.0	M	3.9	12.6	--
FSW 343-M01-05BKT	6/2/1998	60	5.84	7.9	M	1.6	13.2	--
FSW 343-M01-06WT	6/2/1998	64	5.80	9.0	M	2.0	13.4	--
FSW 343-M01-07O	6/2/1998	63	5.70	8.8	M	1.1	12.9	--

Table 6. Field water-quality analyses for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Locations of wells and multilevel samplers are shown in figure 1. **Dissolved-oxygen method**: C, CHEMetrics colorimetric; M, meter. µS/cm, microsiemen per centimeter at 25 degrees Celsius; mg/L, milligram per liter; NTU, Nephelometric Turbidity Unit; meq/L, milliequivalents per liter; --, no data]

Well or multilevel-sampler port	Date	Specific conduct-ance (µS/cm)	pH (standard units)	Dissolved oxygen (mg/L)	Dissolved oxygen method	Turbidity (NTU)	Temper-ature (degrees Celsius)	Alkalinity (meq/L)
FSW 343-M01-08GY	6/2/1998	80	5.62	8.8	M	2.9	13.0	--
FSW 343-M01-09Y	6/2/1998	82	5.58	9.4	M	1.3	14.0	--
FSW 343-M01-10P	6/2/1998	78	5.56	9.4	M	3.1	13.6	--
FSW 343-M01-14BK	6/2/1998	89	5.52	9.3	M	7.7	13.5	--
FSW 343-M01-15W	6/2/1998	89	5.53	8.5	M	5.0	13.6	--
FSW 343-M02-01PT	6/2/1998	--	--	--	--	--	--	--
FSW 343-M02-02GNT	6/2/1998	--	--	--	--	--	--	--
FSW 343-M02-03RT	6/2/1998	206	5.96	0.02	C	0.7	12.4	0.69
FSW 343-M02-04BUT	6/2/1998	187	6.05	0.03	C	1.3	12.4	0.77
FSW 343-M02-05BKT	6/2/1998	186	6.12	0.05	C	0.9	12.4	0.73
FSW 343-M02-06WT	6/2/1998	164	6.26	0.12	C	0.7	12.3	0.61
FSW 343-M02-07O	6/2/1998	222	6.32	0.04	C	0.8	12.6	0.98
FSW 343-M02-08GY	6/2/1998	154	6.26	0.12	C	0.8	12.2	0.55
FSW 343-M02-09Y	6/2/1998	174	6.29	0.38	C	0.9	12.6	--
FSW 343-M02-10P	6/2/1998	220	6.62	0.00	C	1.1	12.5	1.30
FSW 343-M02-11GN	6/2/1998	214	6.67	0.00	C	1.0	12.4	--
FSW 343-M02-12R	6/2/1998	216	6.68	0.00	C	1.1	12.6	0.46
FSW 343-M02-13BU	6/2/1998	205	6.72	0.00	C	1.6	12.5	0.42
FSW 343-M02-14BK	6/2/1998	209	6.57	0.00	C	1.8	12.5	--
FSW 343-M02-15W	6/2/1998	139	6.59	0.28	C	2.0	13.1	0.37
FSW 343-M03-01PT (1-19)	6/2/1998	54	5.23	8.9	M	1.0	11.5	--
FSW 343-M03-02GNT (1-19)	6/2/1998	60	5.13	8.6	M	0.7	12.0	--
FSW 343-M03-03RT (1-19)	6/2/1998	58	5.36	7.6	M	0.7	11.9	--
FSW 343-M03-04BUT (1-19)	6/2/1998	63	5.66	8.1	M	1.0	12.7	--
FSW 343-M03-05BKT (1-19)	6/2/1998	76	5.64	5.9	M	1.2	12.5	--
FSW 343-M03-06WT (1-19)	6/2/1998	91	5.64	3.9	M	0.8	12.0	--
FSW 343-M03-07O (1-19)	6/2/1998	124	5.68	1.4	M	1.6	11.6	--
FSW 343-M03-08GY (1-19)	6/2/1998	142	5.77	0.30	C	1.2	11.9	--
FSW 343-M03-09Y (1-19)	6/2/1998	158	5.88	0.03	C	1.5	11.7	--
FSW 343-M03-10P (1-19)	6/2/1998	214	5.81	0.05	C	1.1	12.0	--
FSW 343-M03-11GN (1-19)	6/2/1998	239	5.77	0.04	C	0.9	12.4	0.26
FSW 343-M03-12R (1-19)	6/2/1998	240	5.81	0.06	C	1.3	12.5	--
FSW 343-M03-13BU (1-19)	6/2/1998	230	5.83	0.06	C	1.7	12.3	--
FSW 343-M03-14BK (1-19)	6/2/1998	269	5.83	0.07	C	1.2	12.0	--
FSW 343-M03-15W (1-19)	6/2/1998	294	5.82	0.08	C	0.9	12.2	0.37
FSW 343-M01-01PT	11/10/1998	--	--	--	--	--	--	--
FSW 343-M01-02GNT	11/10/1998	124	6.22	0.00	C	0.7	11.3	--

Table 6. Field water-quality analyses for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Locations of wells and multilevel samplers are shown in figure 1. **Dissolved-oxygen method**: C, CHEMetrics colorimetric; M, meter. µS/cm, microsiemen per centimeter at 25 degrees Celsius; mg/L, milligram per liter; NTU, Nephelometric Turbidity Unit; meq/L, milliequivalents per liter; --, no data]

Well or multilevel-sampler port	Date	Specific conduct-ance (µS/cm)	pH (standard units)	Dissolved oxygen (mg/L)	Dissolved oxygen method	Turbidity (NTU)	Temper-ature (degrees Celsius)	Alkalinity (meq/L)
FSW 343-M01-03RT	11/10/1998	122	5.94	0.08	C	0.8	11.2	--
FSW 343-M01-04BUT	11/10/1998	87	5.99	2.8	M	0.4	11.5	--
FSW 343-M01-05BKT	11/10/1998	122	5.67	8.1	M	0.5	11.5	--
FSW 343-M01-06WT	11/10/1998	96	5.66	8.4	M	0.7	11.7	--
FSW 343-M01-07O	11/10/1998	90	5.50	9.1	M	0.6	12.2	--
FSW 343-M01-08GY	11/10/1998	94	5.67	8.5	M	1.1	12.5	--
FSW 343-M01-09Y	11/10/1998	88	5.63	9.4	M	0.5	12.4	--
FSW 343-M01-10P	11/10/1998	83	5.65	8.8	M	0.5	11.7	--
FSW 343-M02-01PT	11/10/1998	--	--	--	--	--	--	--
FSW 343-M02-02GNT	11/10/1998	--	--	--	--	--	--	--
FSW 343-M02-03RT	11/10/1998	203	5.99	0.07	C	0.7	10.9	--
FSW 343-M02-04BUT	11/10/1998	226	6.06	0.05	C	0.5	11.0	--
FSW 343-M02-05BKT	11/10/1998	225	6.15	0.07	C	0.5	11.1	--
FSW 343-M02-06WT	11/10/1998	192	6.21	0.06	C	0.8	11.1	--
FSW 343-M02-07O	11/10/1998	194	6.25	0.07	C	0.6	11.2	--
FSW 343-M02-08GY	11/10/1998	189	6.29	0.07	C	0.6	11.2	--
FSW 343-M02-09Y	11/10/1998	175	6.52	0.02	C	0.6	10.8	--
FSW 343-M02-10P	11/10/1998	213	6.53	0.00	C	0.1	11.6	--
FSW 343-M02-11GN	11/10/1998	223	6.64	0.00	C	0.3	11.8	--
FSW 343-M02-12R	11/10/1998	215	6.70	0.00	C	0.7	11.7	--
FSW 343-M02-13BU	11/10/1998	184	6.79	0.00	C	0.9	12.0	--
FSW 343-M02-14BK	11/10/1998	185	6.63	0.00	C	0.8	11.5	--
FSW 343-M02-15W	11/10/1998	183	6.56	0.00	C	0.7	11.5	--
FSW 343-M03-01PT (1-19)	11/10/1998	69	5.09	0.85	C	0.4	11.5	--
FSW 343-M03-02GNT (1-19)	11/10/1998	68	5.17	0.91	C	0.7	11.4	--
FSW 343-M03-03RT (1-19)	11/10/1998	66	5.49	0.26	C	0.5	11.5	--
FSW 343-M03-04BUT (1-19)	11/10/1998	74	5.77	0.68	C	0.6	11.3	--
FSW 343-M03-05BKT (1-19)	11/10/1998	89	5.70	1.4	C	0.8	11.5	--
FSW 343-M03-06WT (1-19)	11/10/1998	114	5.73	1.6	C	0.6	11.3	--
FSW 343-M03-07O (1-19)	11/10/1998	155	5.63	0.70	C	0.7	11.2	--
FSW 343-M03-08GY (1-19)	11/10/1998	195	5.67	0.17	C	0.4	11.0	--
FSW 343-M03-09Y (1-19)	11/10/1998	205	5.77	0.13	C	0.7	11.1	--
FSW 343-M03-10P (1-19)	11/10/1998	200	5.84	0.08	C	0.6	11.2	--
FSW 343-M03-11GN (1-19)	11/10/1998	189	5.87	0.23	C	0.6	11.1	--
FSW 343-M03-12R (1-19)	11/10/1998	185	5.90	0.22	C	1.0	11.2	--
FSW 343-M03-13BU (1-19)	11/10/1998	182	5.92	0.10	C	0.9	11.2	--
FSW 343-M03-14BK (1-19)	11/10/1998	188	5.92	0.14	C	1.2	11.0	--
FSW 343-M03-15W (1-19)	11/10/1998	181	5.99	0.08	C	1.1	10.9	--

Table 6. Field water-quality analyses for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Locations of wells and multilevel samplers are shown in figure 1. **Dissolved-oxygen method**: C, CHEMetrics colorimetric; M, meter. µS/cm, microsiemen per centimeter at 25 degrees Celsius; mg/L, milligram per liter; NTU, Nephelometric Turbidity Unit; meq/L, milliequivalents per liter; --, no data]

Well or multilevel-sampler port	Date	Specific conductance (µS/cm)	pH (standard units)	Dissolved oxygen (mg/L)	Dissolved oxygen method	Turbidity (NTU)	Temperature (degrees Celsius)	Alkalinity (meq/L)
FSW 343-M01-02GNT	6/8/1999	101	6.34	0.53	C	0.7	16.4	0.25
FSW 343-M01-03RT	6/8/1999	84	6.03	4.0	M	0.8	14.1	0.12
FSW 343-M01-04BUT	6/8/1999	87	5.92	4.0	M	1.4	15.0	--
FSW 343-M01-05BKT	6/8/1999	118	5.72	7.7	M	0.6	16.6	--
FSW 343-M01-06WT	6/8/1999	91	5.89	8.6	M	0.7	16.3	--
FSW 343-M01-07O	6/8/1999	69	5.78	8.3	M	0.6	16.1	--
FSW 343-M01-08GY	6/8/1999	77	5.72	8.7	M	0.8	15.1	--
FSW 343-M01-09Y	6/8/1999	81	5.72	8.6	M	0.7	15.7	--
FSW 343-M01-10P	6/8/1999	71	5.75	8.7	M	1.9	14.5	--
FSW 343-M02-01PT	6/8/1999	--	--	--	--	--	--	--
FSW 343-M02-02GNT	6/8/1999	--	--	--	--	--	--	--
FSW 343-M02-03RT	6/8/1999	193	6.06	0.03	C	0.6	15.6	0.78
FSW 343-M02-04BUT	6/8/1999	263	6.03	0.06	C	0.4	14.2	0.89
FSW 343-M02-05BKT	6/8/1999	214	6.30	0.05	C	0.5	16.1	0.87
FSW 343-M02-06WT	6/8/1999	155	6.41	0.07	C	0.7	14.8	0.54
FSW 343-M02-07O	6/8/1999	142	6.50	0.08	C	0.5	14.5	0.34
FSW 343-M02-08GY	6/8/1999	150	6.91	0.16	C	0.9	15.6	0.41
FSW 343-M02-09Y	6/8/1999	155	6.59	0.47	C	1.1	14.8	--
FSW 343-M02-10P	6/8/1999	178	6.82	0.00	C	1.1	18.6	0.41
FSW 343-M02-11GN	6/8/1999	180	6.85	0.00	C	0.8	14.4	--
FSW 343-M02-12R	6/8/1999	162	6.91	0.00	C	1.0	18.0	0.41
FSW 343-M02-13BU	6/8/1999	144	6.93	0.01	C	0.9	14.1	0.42
FSW 343-M02-14BK	6/8/1999	116	6.85	0.00	C	1.1	17.0	--
FSW 343-M02-15W	6/8/1999	110	6.82	0.01	C	0.6	16.0	0.30
FSW 343-M03-01PT (1-19)	6/8/1999	53	5.16	3.7	M	0.6	12.9	0.02
FSW 343-M03-02GNT (1-19)	6/8/1999	55	5.26	3.7	M	0.4	14.3	0.04
FSW 343-M03-03RT (1-19)	6/8/1999	68	5.54	2.1	M	0.3	14.3	--
FSW 343-M03-04BUT (1-19)	6/8/1999	93	5.51	1.3	M	0.6	14.2	--
FSW 343-M03-05BKT (1-19)	6/8/1999	115	5.58	0.07	C	0.6	14.8	--
FSW 343-M03-06WT (1-19)	6/8/1999	123	5.62	0.04	C	1.2	15.0	--
FSW 343-M03-07O (1-19)	6/8/1999	136	5.71	0.04	C	0.6	13.5	--
FSW 343-M03-08GY (1-19)	6/8/1999	148	5.77	0.04	C	0.4	13.4	--
FSW 343-M03-09Y (1-19)	6/8/1999	160	5.81	0.13	C	0.5	14.3	--
FSW 343-M03-10P (1-19)	6/8/1999	166	5.89	0.02	C	0.8	14.2	--
FSW 343-M03-11GN (1-19)	6/8/1999	177	5.87	0.07	C	0.6	14.2	0.49
FSW 343-M03-12R (1-19)	6/8/1999	179	5.90	0.03	C	0.8	14.5	--
FSW 343-M03-13BU (1-19)	6/8/1999	178	5.89	0.04	C	0.4	14.1	--

Table 6. Field water-quality analyses for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Locations of wells and multilevel samplers are shown in figure 1. **Dissolved-oxygen method**: C, CHEMetrics colorimetric; M, meter. µS/cm, microsiemen per centimeter at 25 degrees Celsius; mg/L, milligram per liter; NTU, Nephelometric Turbidity Unit; meq/L, milliequivalents per liter; --, no data]

Well or multilevel-sampler port	Date	Specific conduct-ance (µS/cm)	pH (standard units)	Dissolved oxygen (mg/L)	Dissolved oxygen method	Turbidity (NTU)	Temper-ature (degrees Celsius)	Alkalinity (meq/L)
FSW 343-M03-14BK (1-19)	6/8/1999	175	5.92	0.03	C	0.9	14.6	--
FSW 343-M03-15W (1-19)	6/8/1999	179	5.91	0.08	C	0.6	15.2	0.69
FSW 343-M01-01PT	6/13/2000	--	--	--	--	--	--	--
FSW 343-M01-02GNT	6/13/2000	106	6.05	1.1	M	0.5	12.6	1.90
FSW 343-M01-03RT	6/13/2000	103	6.03	5.6	M	0.4	13.4	0.95
FSW 343-M01-04BUT	6/13/2000	98	5.84	5.4	M	0.6	12.7	--
FSW 343-M01-05BKT	6/13/2000	63	5.84	9.0	M	1.0	13.3	--
FSW 343-M01-06WT	6/13/2000	55	5.76	9.5	M	1.1	12.9	--
FSW 343-M01-07O	6/13/2000	55	5.73	10.0	M	0.8	13.7	--
FSW 343-M01-08GY	6/13/2000	65	5.68	9.3	M	0.9	13.4	--
FSW 343-M01-09Y	6/13/2000	68	5.63	10.3	M	1.0	13.9	--
FSW 343-M01-10P	6/13/2000	64	5.71	10.0	M	0.7	13.5	--
FSW 343-M02-01PT	6/14/2000	--	--	--	--	--	--	--
FSW 343-M02-02GNT	6/14/2000	--	--	--	--	--	--	--
FSW 343-M02-03RT	6/14/2000	140	6.13	0.04	C	0.6	11.4	0.81
FSW 343-M02-04BUT	6/14/2000	151	6.09	0.05	C	0.7	11.4	0.88
FSW 343-M02-05BKT	6/14/2000	160	6.12	0.03	C	0.7	11.3	0.90
FSW 343-M02-06WT	6/14/2000	172	6.18	0.07	C	0.6	11.4	1.04
FSW 343-M02-07O	6/13/2000	165	6.30	0.03	C	0.6	11.9	1.04
FSW 343-M02-08GY	6/13/2000	180	6.28	0.06	C	0.5	12.1	1.13
FSW 343-M02-09Y	6/13/2000	200	6.29	0.04	C	0.6	12.6	--
FSW 343-M02-10P	6/13/2000	235	6.64	0.00	C	0.7	12.0	1.86
FSW 343-M02-11GN	6/13/2000	270	6.60	0.00	C	0.6	12.5	--
FSW 343-M02-12R	6/13/2000	253	6.61	0.00	C	0.7	12.3	1.87
FSW 343-M02-13BU	6/13/2000	153	6.70	0.00	C	0.6	12.0	0.47
FSW 343-M02-14BK	6/13/2000	144	6.80	0.00	C	0.9	12.0	--
FSW 343-M02-15W	6/13/2000	121	6.59	0.00	C	1.4	12.9	0.37
FSW 343-M03-01PT (1-19)	6/14/2000	49	5.34	10.4	M	0.9	11.4	0.02
FSW 343-M03-02GNT (1-19)	6/14/2000	52	5.55	2.6	M	0.9	11.5	0.50
FSW 343-M03-03RT (1-19)	6/14/2000	54	5.61	1.3	C	0.8	11.9	--
FSW 343-M03-04BUT (1-19)	6/14/2000	66	5.59	1.8	C	0.9	11.9	--
FSW 343-M03-05BKT (1-19)	6/14/2000	87	5.61	0.46	C	0.9	11.6	--
FSW 343-M03-06WT (1-19)	6/14/2000	102	5.67	0.25	C	0.9	11.7	--
FSW 343-M03-07O (1-19)	6/14/2000	116	5.78	0.03	C	0.9	11.5	--
FSW 343-M03-08GY (1-19)	6/14/2000	136	5.81	0.09	C	1.1	11.4	--
FSW 343-M03-09Y (1-19)	6/14/2000	149	5.90	0.07	C	0.7	11.3	--
FSW 343-M03-10P (1-19)	6/14/2000	161	5.88	0.12	C	0.9	11.3	--

Table 6. Field water-quality analyses for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Locations of wells and multilevel samplers are shown in figure 1. **Dissolved-oxygen method**: C, CHEMetrics colorimetric; M, meter. µS/cm, microsiemen per centimeter at 25 degrees Celsius; mg/L, milligram per liter; NTU, Nephelometric Turbidity Unit; meq/L, milliequivalents per liter; --, no data]

Well or multilevel-sampler port	Date	Specific conduct-ance (µS/cm)	pH (standard units)	Dissolved oxygen (mg/L)	Dissolved oxygen method	Turbidity (NTU)	Temper-ature (degrees Celsius)	Alkalinity (meq/L)
FSW 343-M03-11GN (1-19)	6/14/2000	173	5.95	0.17	C	0.9	12.2	0.05
FSW 343-M03-12R (1-19)	6/14/2000	175	5.91	0.07	C	0.9	11.5	--
FSW 343-M03-13BU (1-19)	6/14/2000	161	5.99	0.06	C	0.9	11.6	--
FSW 343-M03-14BK (1-19)	6/14/2000	139	6.03	0.04	C	0.9	11.3	--
FSW 343-M03-15W (1-19)	6/14/2000	158	6.08	0.05	C	1.1	11.2	0.62
FSW 343-M01-01PT	6/18/2002	--	--	--	--	--	--	--
FSW 343-M01-02GNT	6/18/2002	156	5.87	0.07	C	0.5	14.2	0.10
FSW 343-M01-03RT	6/18/2002	106	5.87	2.4	M	0.2	14.4	0.09
FSW 343-M01-04BUT	6/18/2002	76	5.94	8.6	M	0.2	14.3	0.12
FSW 343-M01-05BKT	6/18/2002	60	5.83	8.1	M	0.4	13.8	0.08
FSW 343-M01-06WT	6/18/2002	61	5.77	8.8	M	0.7	14.4	0.07
FSW 343-M01-07O	6/18/2002	72	5.71	9.0	M	0.3	14.1	0.05
FSW 343-M01-08GY	6/18/2002	77	5.64	8.7	M	0.5	14.1	0.06
FSW 343-M01-09Y	6/18/2002	73	5.66	9.1	M	0.8	14.4	0.06
FSW 343-M01-10P	6/18/2002	68	5.73	9.4	M	0.5	13.8	0.08
FSW 343-M02-01PT	6/18/2002	--	--	--	--	--	--	--
FSW 343-M02-02GNT	6/18/2002	--	--	--	--	--	--	--
FSW 343-M02-03RT	6/18/2002	149	6.14	0.40	C	1.4	13.5	0.68
FSW 343-M02-04BUT	6/18/2002	154	6.03	0.07	C	0.4	13.4	0.73
FSW 343-M02-05BKT	6/18/2002	159	5.99	0.75	C	1.1	13.4	0.82
FSW 343-M02-06WT	6/18/2002	164	6.05	0.85	C	0.3	13.3	0.89
FSW 343-M02-07O	6/18/2002	200	6.17	0.03	C	0.3	13.3	0.93
FSW 343-M02-08GY	6/18/2002	198	6.14	0.11	C	0.3	14.2	0.88
FSW 343-M02-09Y	6/18/2002	210	6.19	0.08	C	0.2	14.0	0.92
FSW 343-M02-10P	6/18/2002	241	6.48	0.00	C	0.3	13.7	1.14
FSW 343-M02-11GN	6/18/2002	260	6.54	0.00	C	0.3	13.8	0.97
FSW 343-M02-12R	6/18/2002	246	6.56	0.00	C	0.8	13.8	0.54
FSW 343-M02-13BU	6/18/2002	241	6.50	0.00	C	0.3	14.1	0.40
FSW 343-M02-14BK	6/18/2002	250	6.58	0.00	C	1.0	14.6	0.42
FSW 343-M02-15W	6/18/2002	205	6.10	0.00	C	0.1	14.6	0.18
FSW 343-M03-01PT (1-19)	6/18/2002	--	--	--	--	--	--	--
FSW 343-M03-02GNT (1-19)	6/18/2002	139	6.03	0.08	C	0.3	12.8	0.51
FSW 343-M03-03RT (1-19)	6/18/2002	55	5.69	5.6	M	0.3	12.1	--
FSW 343-M03-04BUT (1-19)	6/18/2002	66	5.64	6.0	M	0.2	12.8	--
FSW 343-M03-05BKT (1-19)	6/18/2002	83	5.65	2.7	M	0.5	12.2	--
FSW 343-M03-06WT (1-19)	6/18/2002	95	5.67	0.61	C	0.2	12.8	--
FSW 343-M03-07O (1-19)	6/18/2002	106	5.72	0.05	C	0.3	12.5	--

Table 6. Field water-quality analyses for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Locations of wells and multilevel samplers are shown in figure 1. **Dissolved-oxygen method**: C, CHEMetrics colorimetric; M, meter. µS/cm, microsiemen per centimeter at 25 degrees Celsius; mg/L, milligram per liter; NTU, Nephelometric Turbidity Unit; meq/L, milliequivalents per liter; --, no data]

Well or multilevel-sampler port	Date	Specific conduct-ance (µS/cm)	pH (standard units)	Dissolved oxygen (mg/L)	Dissolved oxygen method	Turbidity (NTU)	Temper-ature (degrees Celsius)	Alkalinity (meq/L)
FSW 343-M03-08GY (1-19)	6/18/2002	116	5.82	0.06	C	1.6	13.0	--
FSW 343-M03-09Y (1-19)	6/18/2002	121	5.90	0.07	C	1.3	12.4	--
FSW 343-M03-10P (1-19)	6/18/2002	128	5.97	0.07	C	0.5	12.8	--
FSW 343-M03-12R (1-19)	6/18/2002	146	6.08	0.06	C	0.5	13.2	--
FSW 343-M03-13BU (1-19)	6/18/2002	152	6.14	0.05	C	0.4	12.9	--
FSW 343-M03-14BK (1-19)	6/18/2002	152	6.15	0.06	C	0.7	13.4	--
FSW 343-M03-15W (1-19)	6/18/2002	152	6.14	0.04	C	1.4	13.0	--
FSW 343-M01-01PT	8/24/2004	172	6.18	0.00	C	0.3	12.8	--
FSW 343-M01-02GNT	8/24/2004	117	5.80	0.47	C	0.2	13.9	0.13
FSW 343-M01-03RT	8/24/2004	116	5.69	3.7	M	0.4	13.4	0.13
FSW 343-M01-05BKT	8/24/2004	66	5.55	8.7	M	0.5	13.0	--
FSW 343-M01-06WT	8/24/2004	76	5.54	9.4	M	0.3	13.5	--
FSW 343-M01-07O	8/24/2004	79	5.55	9.0	M	0.7	13.2	--
FSW 343-M01-08GY	8/24/2004	91	5.50	9.0	M	0.5	14.3	--
FSW 343-M01-09Y	8/24/2004	72	5.57	9.6	M	0.4	14.3	--
FSW 343-M01-10P	8/24/2004	70	5.58	9.3	M	0.4	14.0	--
FSW 343-M01-11GN	8/24/2004	67	5.63	9.3	M	0.5	13.4	--
FSW 343-M01-12R	8/24/2004	65	5.85	9.8	M	0.4	14.5	--
FSW 343-M01-13BU	8/24/2004	85	5.75	7.3	M	0.5	13.2	--
FSW 343-M01-14BK	8/24/2004	65	5.62	9.7	M	0.8	13.6	--
FSW 343-M01-15W	8/24/2004	74	5.57	9.4	M	1.0	14.2	--
FSW 343-M02-01PT	8/23/2004	126	6.05	0.03	C	0.5	12.6	--
FSW 343-M02-02GNT	8/23/2004	149	6.17	0.09	C	0.6	12.9	--
FSW 343-M02-03RT	8/23/2004	140	6.23	0.17	C	1.1	12.5	0.65
FSW 343-M02-04BUT	8/23/2004	128	6.23	0.06	C	0.9	12.7	0.59
FSW 343-M02-05BKT	8/23/2004	123	6.09	0.09	C	1.0	12.8	0.49
FSW 343-M02-06WT	8/23/2004	120	5.97	0.09	C	1.0	12.8	0.40
FSW 343-M02-07O	8/23/2004	136	6.11	0.06	C	0.5	12.7	0.36
FSW 343-M02-08GY	8/23/2004	150	6.15	0.11	C	0.4	13.2	0.35
FSW 343-M02-09Y	8/23/2004	145	6.18	0.20	C	0.4	12.9	--
FSW 343-M02-10P	8/23/2004	187	6.54	0.00	C	0.7	13.5	0.43
FSW 343-M02-11GN	8/23/2004	179	6.67	0.00	C	0.6	13.5	--
FSW 343-M02-12R	8/23/2004	151	6.61	0.00	C	0.8	13.7	0.45
FSW 343-M02-14BK	8/23/2004	179	6.55	0.00	C	0.4	13.6	0.42
FSW 343-M02-15W	8/23/2004	151	6.04	0.03	C	0.5	14.4	0.18
FSW 343-M03-01PT (1-19)	8/24/2004	53	5.11	4.8	M	0.5	13.0	0.01
FSW 343-M03-02GNT (1-19)	8/24/2004	58	5.01	3.0	M	0.6	13.2	0.01

Table 6. Field water-quality analyses for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Specific conduct-ance (µS/cm)	pH (standard units)	Dissolved oxygen (mg/L)	Dissolved oxygen method	Turbidity (NTU)	Temper-ature (degrees Celsius)	Alkalinity (meq/L)
FSW 343-M03-03RT (1-19)	8/24/2004	53	5.25	0.52	C	0.2	12.7	--
FSW 343-M03-04BUT (1-19)	8/24/2004	53	5.52	2.9	M	1.0	12.8	--
FSW 343-M03-05BKT (1-19)	8/24/2004	56	5.59	6.1	M	0.8	13.1	--
FSW 343-M03-06WT (1-19)	8/24/2004	59	5.63	5.7	M	0.8	12.6	--
FSW 343-M03-07O (1-19)	8/24/2004	65	5.74	4.1	M	0.7	12.5	--
FSW 343-M03-08GY (1-19)	8/24/2004	82	5.85	0.87	C	0.7	12.4	--
FSW 343-M03-09Y (1-19)	8/24/2004	99	5.93	0.06	C	0.6	12.5	--
FSW 343-M03-10P (1-19)	8/24/2004	105	5.98	0.07	C	0.6	12.9	--
FSW 343-M03-11GN (1-19)	8/24/2004	116	6.02	0.04	C	0.5	12.9	0.30
FSW 343-M03-12R (1-19)	8/24/2004	122	6.05	0.04	C	1.0	12.7	--
FSW 343-M03-13BU (1-19)	8/24/2004	127	6.10	0.26	C	0.6	13.3	--
FSW 343-M03-14BK (1-19)	8/24/2004	130	6.16	0.10	C	0.7	12.8	--
FSW 343-M03-15W (1-19)	8/24/2004	134	6.13	0.10	C	0.5	12.4	0.52
FSW 424-M01-01PT	12/1/1994	332	7.19	0.08	C	0.6	--	--
FSW 424-M01-02GNT	12/1/1994	345	7.31	0.08	C	1.1	--	--
FSW 424-M01-03RT	12/1/1994	319	7.33	0.10	C	0.6	--	--
FSW 424-M01-04BUT	12/1/1994	335	7.35	0.06	C	1.6	--	--
FSW 424-M01-05BKT	12/1/1994	323	7.34	0.10	C	0.9	--	--
FSW 424-M01-06WT	12/1/1994	279	7.31	0.10	C	1.4	--	--
FSW 424-M01-07O	12/1/1994	232	7.26	0.08	C	0.7	--	--
FSW 424-M01-08GY	12/1/1994	227	7.20	0.06	C	1.2	--	--
FSW 424-M01-09Y	12/1/1994	185	7.20	0.08	C	0.5	--	--
FSW 424-M01-10P	12/1/1994	167	7.14	0.06	C	0.7	--	--
FSW 424-M01-11GN	12/1/1994	144	7.11	0.08	C	0.7	--	--
FSW 424-M01-12R	12/1/1994	117	7.06	0.04	C	0.9	--	--
FSW 424-M01-13BU	12/1/1994	122	6.92	0.04	C	0.6	--	--
FSW 424-M01-14BK	12/1/1994	122	6.95	0.05	C	0.7	--	--
FSW 424-M01-15W	12/1/1994	110	7.29	0.06	C	0.4	--	--
FSW 424-M02-01PT (72-13)	12/2/1994	88	5.69	10.0	M	0.8	--	--
FSW 424-M02-02GNT (72-13)	12/2/1994	75	5.73	0.80	C	0.2	--	--
FSW 424-M02-03RT (72-13)	12/2/1994	58	5.71	4.7	M	0.3	--	--
FSW 424-M02-04BUT (72-13)	12/2/1994	49	5.73	4.0	C	0.7	--	--
FSW 424-M02-05BKT (72-13)	12/2/1994	50	6.23	6.0	C	0.6	--	--
FSW 424-M02-06WT (72-13)	12/2/1994	68	6.09	9.1	M	0.4	--	--
FSW 424-M02-07O (72-13)	12/2/1994	131	6.08	6.2	M	0.8	--	--
FSW 424-M02-08GY (72-13)	12/2/1994	209	6.02	2.8	M	0.9	--	--
FSW 424-M02-09Y (72-13)	12/2/1994	349	6.00	0.30	C	0.9	--	--
FSW 424-M02-10P (72-13)	12/2/1994	416	6.02	0.20	C	0.3	--	--

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Well or multilevel-sampler port	Date	Specific conduct-ance (µS/cm)	pH (standard units)	Dissolved oxygen (mg/L)	Dissolved oxygen method	Turbidity (NTU)	Temper-ature (degrees Celsius)	Alkalinity (meq/L)
FSW 424-M02-11GN (72-13)	12/2/1994	431	6.12	0.15	C	0.4	--	--
FSW 424-M02-12R (72-13)	12/2/1994	387	6.44	0.10	C	0.4	--	--
FSW 424-M02-13BU (72-13)	12/2/1994	400	6.43	0.15	C	1.2	--	--
FSW 424-M02-14BK (72-13)	12/2/1994	398	6.49	0.15	C	0.9	--	--
FSW 424-M02-15W (72-13)	12/2/1994	363	6.51	0.10	C	0.8	--	--
FSW 424-M01-01PT	7/9/1996	299	6.30	0.08	C	10.1	13.6	--
FSW 424-M01-02GNT	7/9/1996	303	6.32	0.03	C	0.8	12.8	--
FSW 424-M01-03RT	7/9/1996	280	6.45	0.01	C	1.9	12.5	--
FSW 424-M01-04BUT	7/9/1996	279	6.45	0.04	C	1.5	12.7	--
FSW 424-M01-05BKT	7/9/1996	173	6.57	0.04	C	2.8	13.0	--
FSW 424-M01-06WT	7/9/1996	164	6.59	0.02	C	3.0	13.5	--
FSW 424-M01-07O	7/9/1996	149	6.60	0.02	C	3.3	12.8	--
FSW 424-M01-08GY	7/9/1996	140	6.57	0.03	C	1.7	13.3	--
FSW 424-M01-09Y	7/9/1996	131	6.54	0.02	C	1.8	13.2	--
FSW 424-M01-10P	7/9/1996	136	6.45	0.20	C	1.7	13.3	--
FSW 424-M01-11GN	7/9/1996	139	6.36	0.15	C	1.3	13.5	--
FSW 424-M01-12R	7/9/1996	143	6.34	0.20	C	5.3	13.3	--
FSW 424-M01-13BU	7/9/1996	146	6.15	0.40	C	1.2	12.9	--
FSW 424-M01-14BK	7/9/1996	144	6.01	0.20	C	1.3	13.5	--
FSW 424-M01-15W	7/9/1996	96	6.32	0.20	C	0.8	14.8	--
FSW 424-M02-01PT (72-13)	7/10/1996	176	5.27	2.1	M	0.8	12.0	--
FSW 424-M02-02GNT (72-13)	7/10/1996	166	5.38	1.7	M	0.9	11.7	--
FSW 424-M02-03RT (72-13)	7/10/1996	92	5.61	6.4	M	1.1	11.4	--
FSW 424-M02-04BUT (72-13)	7/10/1996	77	5.59	7.6	M	1.2	14.0	--
FSW 424-M02-05BKT (72-13)	7/10/1996	74	5.74	6.9	M	1.2	14.3	--
FSW 424-M02-06WT (72-13)	7/10/1996	75	5.97	6.5	M	4.3	11.2	--
FSW 424-M02-07O (72-13)	7/10/1996	100	6.06	6.1	M	6.6	11.5	--
FSW 424-M02-08GY (72-13)	7/10/1996	140	6.03	4.6	M	1.1	13.6	--
FSW 424-M02-09Y (72-13)	7/10/1996	192	6.06	3.7	M	1.5	14.0	--
FSW 424-M02-10P (72-13)	7/10/1996	284	6.05	1.0	C	3.2	11.7	--
FSW 424-M02-11GN (72-13)	7/10/1996	334	6.12	0.20	C	1.0	11.9	--
FSW 424-M02-12R (72-13)	7/10/1996	420	6.12	0.08	C	0.8	12.4	--
FSW 424-M02-13BU (72-13)	7/10/1996	421	6.20	0.15	C	1.0	11.9	--
FSW 424-M02-14BK (72-13)	7/10/1996	412	6.20	0.08	C	0.6	11.7	--
FSW 424-M02-15W (72-13)	7/10/1996	418	6.24	0.25	C	1.8	12.7	--
FSW 424-M01-01PT	6/11/1997	344	6.38	0.03	C	1.0	15.4	--
FSW 424-M01-02GNT	6/11/1997	339	6.36	0.03	C	0.7	14.7	--

Table 6. Field water-quality analyses for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Locations of wells and multilevel samplers are shown in figure 1. **Dissolved-oxygen method**: C, CHEMetrics colorimetric; M, meter. µS/cm, microsiemen per centimeter at 25 degrees Celsius; mg/L, milligram per liter; NTU, Nephelometric Turbidity Unit; meq/L, milliequivalents per liter; --, no data]

Well or multilevel-sampler port	Date	Specific conduct-ance (µS/cm)	pH (standard units)	Dissolved oxygen (mg/L)	Dissolved oxygen method	Turbidity (NTU)	Temper-ature (degrees Celsius)	Alkalinity (meq/L)
FSW 424-M01-03RT	6/11/1997	267	6.38	0.03	C	1.1	14.7	--
FSW 424-M01-04BUT	6/11/1997	240	6.32	0.02	C	0.8	14.4	--
FSW 424-M01-05BKT	6/11/1997	178	6.34	0.02	C	0.8	14.4	--
FSW 424-M01-06WT	6/11/1997	163	6.40	0.02	C	0.9	14.6	--
FSW 424-M01-07O	6/11/1997	168	6.36	0.02	C	0.9	14.7	--
FSW 424-M01-08GY	6/11/1997	192	6.18	0.03	C	0.7	14.9	--
FSW 424-M01-09Y	6/11/1997	190	6.17	0.04	C	0.5	15.8	--
FSW 424-M01-10P	6/11/1997	173	6.26	0.03	C	1.0	17.0	--
FSW 424-M01-11GN	6/11/1997	152	6.11	0.02	C	1.1	16.0	--
FSW 424-M01-12R	6/11/1997	141	6.10	0.03	C	1.3	15.0	--
FSW 424-M01-13BU	6/11/1997	112	6.03	0.02	C	1.2	15.7	--
FSW 424-M01-14BK	6/11/1997	107	6.03	0.03	C	1.5	16.2	--
FSW 424-M01-15W	6/11/1997	111	6.45	0.06	C	0.5	16.4	--
FSW 424-M02-01PT (72-13)	6/11/1997	124	5.71	2.9	M	0.4	15.0	--
FSW 424-M02-02GNT (72-13)	6/11/1997	108	5.41	3.6	M	0.5	14.1	--
FSW 424-M02-03RT (72-13)	6/11/1997	74	5.51	6.5	M	0.7	14.5	--
FSW 424-M02-04BUT (72-13)	6/11/1997	51	5.73	7.9	M	0.9	17.4	--
FSW 424-M02-05BKT (72-13)	6/11/1997	39	5.88	7.9	M	1.1	15.0	--
FSW 424-M02-06WT (72-13)	6/11/1997	47	6.14	8.1	M	2.7	14.7	--
FSW 424-M02-07O (72-13)	6/11/1997	75	6.17	8.2	M	4.6	13.9	--
FSW 424-M02-08GY (72-13)	6/11/1997	135	6.07	4.2	M	0.9	14.8	--
FSW 424-M02-09Y (72-13)	6/11/1997	236	6.10	1.9	M	1.5	15.9	--
FSW 424-M02-10P (72-13)	6/11/1997	387	6.13	0.03	C	3.0	15.5	--
FSW 424-M02-11GN (72-13)	6/11/1997	447	6.18	0.04	C	2.6	15.4	--
FSW 424-M02-12R (72-13)	6/11/1997	476	6.21	0.04	C	0.8	14.2	--
FSW 424-M02-13BU (72-13)	6/11/1997	426	6.17	0.04	C	1.0	16.5	--
FSW 424-M02-14BK (72-13)	6/11/1997	338	6.31	0.03	C	0.6	15.2	--
FSW 424-M02-15W (72-13)	6/11/1997	328	6.34	0.05	C	3.4	18.6	--
FSW 424-M01-01PT	6/10/1998	396	6.29	0.05	C	0.7	12.8	1.02
FSW 424-M01-02GNT	6/10/1998	371	6.36	0.02	C	0.6	12.7	1.20
FSW 424-M01-03RT	6/10/1998	366	6.32	0.04	C	0.9	12.7	1.17
FSW 424-M01-04BUT	6/10/1998	340	6.28	0.01	C	0.6	12.5	1.07
FSW 424-M01-05BKT	6/10/1998	359	6.26	0.12	C	0.4	12.9	1.16
FSW 424-M01-06WT	6/10/1998	295	6.19	0.01	C	0.7	12.9	0.89
FSW 424-M01-07O	6/10/1998	250	6.11	0.03	C	1.7	13.1	0.62
FSW 424-M01-08GY	6/10/1998	259	6.02	0.06	C	0.7	12.6	--
FSW 424-M01-09Y	6/10/1998	229	5.89	0.10	C	0.4	13.0	--
FSW 424-M01-10P	6/10/1998	177	5.85	0.02	C	0.4	12.8	--

Table 6. Field water-quality analyses for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Locations of wells and multilevel samplers are shown in figure 1. **Dissolved-oxygen method**: C, CHEMetrics colorimetric; M, meter. µS/cm, microsiemen per centimeter at 25 degrees Celsius; mg/L, milligram per liter; NTU, Nephelometric Turbidity Unit; meq/L, milliequivalents per liter; --, no data]

Well or multilevel-sampler port	Date	Specific conduct-ance (µS/cm)	pH (standard units)	Dissolved oxygen (mg/L)	Dissolved oxygen method	Turbidity (NTU)	Temper-ature (degrees Celsius)	Alkalinity (meq/L)
FSW 424-M01-11GN	6/10/1998	148	5.74	0.06	C	0.5	12.8	--
FSW 424-M01-12R	6/10/1998	126	5.56	0.05	C	2.0	13.1	--
FSW 424-M01-13BU	6/10/1998	105	5.78	0.35	C	0.5	12.9	--
FSW 424-M01-14BK	6/10/1998	87	5.66	2.4	M	1.4	12.9	--
FSW 424-M01-15W	6/10/1998	111	6.42	0.07	C	0.7	13.4	--
FSW 424-M02-01PT (72-13)	6/10/1998	70	5.50	2.7	M	0.3	12.3	--
FSW 424-M02-02GNT (72-13)	6/10/1998	45	5.55	2.1	M	0.6	12.1	--
FSW 424-M02-03RT (72-13)	6/10/1998	42	5.57	3.4	M	0.3	12.3	0.06
FSW 424-M02-04BUT (72-13)	6/10/1998	44	5.85	7.8	M	1.0	15.7	0.08
FSW 424-M02-05BKT (72-13)	6/10/1998	42	5.89	5.7	M	0.8	13.3	--
FSW 424-M02-06WT (72-13)	6/10/1998	68	6.00	7.3	M	4.3	12.1	--
FSW 424-M02-07O (72-13)	6/10/1998	122	6.03	6.0	M	4.3	12.1	--
FSW 424-M02-08GY (72-13)	6/10/1998	241	5.92	2.4	M	2.3	12.8	--
FSW 424-M02-09Y (72-13)	6/10/1998	328	6.00	0.77	M	1.6	13.6	--
FSW 424-M02-10P (72-13)	6/10/1998	413	6.10	0.07	C	4.3	12.2	--
FSW 424-M02-11GN (72-13)	6/10/1998	454	6.18	0.04	C	2.1	12.2	0.67
FSW 424-M02-12R (72-13)	6/10/1998	464	6.24	0.07	C	0.8	12.4	0.81
FSW 424-M02-13BU (72-13)	6/10/1998	476	6.21	0.06	C	0.7	12.2	0.77
FSW 424-M02-14BK (72-13)	6/10/1998	455	6.15	0.06	C	0.6	12.2	0.70
FSW 424-M02-15W (72-13)	6/10/1998	408	6.20	0.12	C	5.6	12.8	0.76
FSW 424-M01-01PT	6/29/1999	381	6.29	0.21	C	--	13.2	0.17
FSW 424-M01-02GNT	6/29/1999	364	6.35	0.19	C	1.4	13.6	0.27
FSW 424-M01-03RT	6/29/1999	361	6.46	0.08	C	1.2	13.7	0.27
FSW 424-M01-04BUT	6/29/1999	298	6.51	0.11	C	2.2	13.5	0.19
FSW 424-M01-05BKT	6/29/1999	290	6.43	0.09	C	0.9	13.7	0.23
FSW 424-M01-06WT	6/29/1999	301	6.33	0.01	C	1.8	13.3	0.21
FSW 424-M01-07O	6/29/1999	266	6.24	0.22	C	0.7	13.9	0.17
FSW 424-M01-08GY	6/29/1999	160	6.22	0.12	C	0.7	13.6	--
FSW 424-M01-09Y	6/29/1999	105	6.18	0.27	C	2.2	13.5	--
FSW 424-M01-10P	6/29/1999	88	5.97	0.17	C	0.9	13.4	--
FSW 424-M01-11GN	6/29/1999	73	5.88	4.1	M	2.1	13.2	--
FSW 424-M01-12R	6/29/1999	74	5.75	5.9	M	19.3	13.4	--
FSW 424-M01-13BU	6/29/1999	78	5.71	7.0	M	2.1	13.6	--
FSW 424-M01-14BK	6/29/1999	82	5.84	7.9	M	2.9	13.4	--
FSW 424-M01-15W	6/29/1999	103	6.21	0.12	C	1.8	13.3	--
FSW 424-M02-01PT (72-13)	6/29/1999	144	5.14	0.89	C	1.1	13.0	--
FSW 424-M02-02GNT (72-13)	6/29/1999	96	5.31	2.1	M	1.6	13.3	--

Table 6. Field water-quality analyses for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Locations of wells and multilevel samplers are shown in figure 1. **Dissolved-oxygen method**: C, CHEMetrics colorimetric; M, meter. µS/cm, microsiemen per centimeter at 25 degrees Celsius; mg/L, milligram per liter; NTU, Nephelometric Turbidity Unit; meq/L, milliequivalents per liter; --, no data]

Well or multilevel-sampler port	Date	Specific conduct-ance (µS/cm)	pH (standard units)	Dissolved oxygen (mg/L)	Dissolved oxygen method	Turbidity (NTU)	Temper-ature (degrees Celsius)	Alkalinity (meq/L)
FSW 424-M02-03RT (72-13)	6/29/1999	91	5.46	4.3	M	1.3	12.6	0.05
FSW 424-M02-04BUT (72-13)	6/29/1999	70	5.72	2.4	M	1.5	13.2	0.06
FSW 424-M02-05BKT (72-13)	6/29/1999	52	5.81	7.4	M	1.4	13.0	--
FSW 424-M02-06WT (72-13)	6/29/1999	58	6.08	7.1	M	1.9	12.5	--
FSW 424-M02-07O (72-13)	6/29/1999	88	6.02	4.7	M	2.0	12.3	--
FSW 424-M02-08GY (72-13)	6/29/1999	119	6.01	2.9	M	2.5	13.4	--
FSW 424-M02-09Y (72-13)	6/29/1999	175	6.05	0.68	C	1.6	13.6	--
FSW 424-M02-10P (72-13)	6/29/1999	229	6.13	0.70	C	2.4	12.6	--
FSW 424-M02-11GN (72-13)	6/29/1999	250	6.26	0.18	C	2.4	13.5	0.67
FSW 424-M02-12R (72-13)	6/29/1999	260	6.34	0.13	C	2.3	12.7	0.88
FSW 424-M02-13BU (72-13)	6/29/1999	287	6.36	0.19	C	1.0	13.2	1.02
FSW 424-M02-14BK (72-13)	6/29/1999	340	6.32	0.16	C	1.0	13.3	0.81
FSW 424-M02-15W (72-13)	6/29/1999	394	6.27	0.20	C	2.3	12.9	0.68
FSW 424-M01-01PT	6/5/2000	224	6.42	0.02	C	0.9	13.1	0.93
FSW 424-M01-02GNT	6/5/2000	197	6.29	0.03	C	2.4	12.7	0.82
FSW 424-M01-03RT	6/5/2000	179	6.57	0.01	C	2.1	13.3	0.68
FSW 424-M01-04BUT	6/5/2000	193	6.60	0.01	C	0.7	12.8	0.43
FSW 424-M01-05BKT	6/5/2000	175	6.65	0.02	C	3.0	13.5	0.36
FSW 424-M01-06WT	6/5/2000	146	6.58	0.03	C	2.8	12.8	0.37
FSW 424-M01-07O	6/5/2000	129	6.54	0.01	C	2.9	13.1	0.38
FSW 424-M01-08GY	6/5/2000	93	6.57	0.01	C	3.3	12.9	--
FSW 424-M01-09Y	6/5/2000	72	6.49	0.02	C	3.6	13.5	--
FSW 424-M01-10P	6/5/2000	71	6.04	0.02	C	2.1	13.0	--
FSW 424-M01-11GN	6/5/2000	65	5.88	3.8	M	5.0	13.2	--
FSW 424-M01-12R	6/5/2000	63	5.77	5.5	M	4.7	12.8	--
FSW 424-M01-13BU	6/5/2000	69	5.82	6.6	M	2.3	13.5	--
FSW 424-M01-14BK	6/5/2000	76	5.74	6.3	M	2.7	13.6	--
FSW 424-M01-15W	6/5/2000	81	5.86	6.1	M	1.1	13.7	--
FSW 424-M02-01PT (72-13)	6/6/2000	99	5.11	4.2	M	1.3	11.5	--
FSW 424-M02-02GNT (72-13)	6/6/2000	88	5.36	6.7	M	1.2	11.4	--
FSW 424-M02-03RT (72-13)	6/6/2000	100	5.38	8.0	M	1.0	11.7	0.05
FSW 424-M02-04BUT (72-13)	6/6/2000	105	5.40	9.7	M	1.0	12.9	0.04
FSW 424-M02-05BKT (72-13)	6/6/2000	92	5.67	9.9	M	1.1	12.4	--
FSW 424-M02-06WT (72-13)	6/6/2000	82	5.88	9.7	M	1.7	12.2	--
FSW 424-M02-07O (72-13)	6/6/2000	103	5.98	5.2	M	1.2	12.0	--
FSW 424-M02-08GY (72-13)	6/6/2000	117	6.00	1.8	C	1.5	12.1	--
FSW 424-M02-09Y (72-13)	6/6/2000	141	6.13	0.77	C	1.4	12.2	--
FSW 424-M02-10P (72-13)	6/6/2000	203	6.17	0.03	C	1.4	12.2	--

Table 6. Field water-quality analyses for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Specific conduct-ance (µS/cm)	pH (standard units)	Dissolved oxygen (mg/L)	Dissolved oxygen method	Turbidity (NTU)	Temper-ature (degrees Celsius)	Alkalinity (meq/L)
FSW 424-M02-11GN (72-13)	6/6/2000	254	6.26	0.02	C	1.3	12.1	0.93
FSW 424-M02-12R (72-13)	6/6/2000	261	6.25	0.02	C	1.7	12.2	1.05
FSW 424-M02-13BU (72-13)	6/6/2000	270	6.23	0.02	C	1.7	12.3	1.07
FSW 424-M02-14BK (72-13)	6/6/2000	289	6.47	0.04	C	1.6	12.1	1.07
FSW 424-M02-15W (72-13)	6/6/2000	282	6.52	0.02	C	1.3	12.3	1.01
FSW 424-M01-01PT	7/19/2001	195	6.61	0.03	C	0.9	13.3	--
FSW 424-M01-02GNT	7/19/2001	187	6.49	0.03	C	0.6	13.2	--
FSW 424-M01-03RT	7/19/2001	218	6.49	0.03	C	1.2	13.1	--
FSW 424-M01-04BUT	7/19/2001	192	6.52	0.03	C	1.4	13.1	--
FSW 424-M01-05BKT	7/19/2001	146	6.60	0.04	C	1.3	14.1	--
FSW 424-M01-06WT	7/19/2001	113	6.69	0.05	C	2.6	13.4	--
FSW 424-M01-07O	7/19/2001	108	6.67	0.02	C	2.7	13.0	--
FSW 424-M01-08GY	7/19/2001	91	6.58	0.04	C	10.4	14.3	--
FSW 424-M01-09Y	7/19/2001	94	6.37	0.03	C	1.6	13.1	--
FSW 424-M01-10P	7/19/2001	76	5.87	7.3	M	3.1	13.6	--
FSW 424-M01-11GN	7/19/2001	76	5.71	6.9	M	3.8	13.2	--
FSW 424-M01-12R	7/19/2001	72	5.59	7.7	M	1.7	13.7	--
FSW 424-M01-13BU	7/19/2001	74	5.74	7.9	M	5.6	13.2	--
FSW 424-M01-14BK	7/19/2001	79	5.67	8.5	M	2.2	13.8	--
FSW 424-M01-15W	7/19/2001	86	5.71	7.3	M	3.7	13.6	--
FSW 424-M02-01PT (72-13)	7/19/2001	170	5.27	2.1	M	0.6	13.0	--
FSW 424-M02-02GNT (72-13)	7/19/2001	137	5.62	2.5	M	1.5	12.6	--
FSW 424-M02-03RT (72-13)	7/19/2001	96	5.68	3.8	M	1.0	12.4	--
FSW 424-M02-04BUT (72-13)	7/19/2001	82	5.87	9.1	M	1.4	13.3	--
FSW 424-M02-05BKT (72-13)	7/19/2001	71	5.99	6.9	M	1.4	13.2	--
FSW 424-M02-06WT (72-13)	7/19/2001	81	6.12	5.3	M	1.8	12.4	--
FSW 424-M02-07O (72-13)	7/19/2001	103	6.16	4.4	M	1.7	12.5	--
FSW 424-M02-08GY (72-13)	7/19/2001	129	6.18	2.6	M	1.4	12.6	--
FSW 424-M02-09Y (72-13)	7/19/2001	158	6.17	0.47	C	2.4	12.7	--
FSW 424-M02-10P (72-13)	7/19/2001	199	6.28	0.04	C	1.8	12.7	--
FSW 424-M02-11GN (72-13)	7/19/2001	234	6.34	0.04	C	0.7	12.7	--
FSW 424-M02-12R (72-13)	7/19/2001	285	6.35	0.03	C	0.8	12.6	--
FSW 424-M02-13BU (72-13)	7/19/2001	303	6.34	0.03	C	0.9	12.7	--
FSW 424-M02-14BK (72-13)	7/19/2001	305	6.33	0.04	C	1.9	12.7	--
FSW 424-M02-15W (72-13)	7/19/2001	256	6.38	0.03	C	1.7	13.1	--
FSW 424-M01-01PT	7/9/2002	291	6.13	0.10	C	0.8	14.0	0.69
FSW 424-M01-02GNT	7/9/2002	321	6.10	0.10	C	0.5	13.6	0.63

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Well or multilevel-sampler port	Date	Specific conduct-ance (µS/cm)	pH (standard units)	Dissolved oxygen (mg/L)	Dissolved oxygen method	Turbidity (NTU)	Temper-ature (degrees Celsius)	Alkalinity (meq/L)
FSW 424-M01-03RT	7/9/2002	341	6.14	0.16	C	0.1	14.4	0.65
FSW 424-M01-04BUT	7/9/2002	266	6.26	0.09	C	0.6	15.5	0.59
FSW 424-M01-05BKT	7/9/2002	219	6.40	0.56	C	0.8	15.3	0.42
FSW 424-M01-06WT	7/9/2002	180	6.43	0.13	C	0.6	14.4	0.23
FSW 424-M01-07O	7/9/2002	149	6.35	0.14	C	0.6	14.0	0.25
FSW 424-M01-08GY	7/9/2002	104	6.27	0.14	C	0.6	13.9	--
FSW 424-M01-09Y	7/9/2002	88	6.12	0.27	C	0.2	14.0	--
FSW 424-M01-10P	7/9/2002	66	5.63	5.3	M	11.5	13.6	--
FSW 424-M01-11GN	7/9/2002	67	5.49	6.3	M	0.9	14.0	--
FSW 424-M01-12R	7/9/2002	65	5.60	7.5	M	1.9	13.9	--
FSW 424-M01-13BU	7/9/2002	73	5.63	7.5	M	3.9	14.4	--
FSW 424-M01-14BK	7/9/2002	74	5.61	7.5	M	6.7	14.0	--
FSW 424-M01-15W	7/9/2002	76	5.62	6.9	M	2.0	14.2	--
FSW 424-M02-01PT (72-13)	7/9/2002	--	--	--	--	--	--	--
FSW 424-M02-02GNT (72-13)	7/9/2002	77	5.34	0.32	C	0.3	14.2	0.03
FSW 424-M02-03RT (72-13)	7/9/2002	67	5.37	1.1	M	0.2	14.6	--
FSW 424-M02-04BUT (72-13)	7/9/2002	65	5.55	4.0	M	1.0	16.0	--
FSW 424-M02-05BKT (72-13)	7/9/2002	82	5.56	4.5	M	0.4	14.6	--
FSW 424-M02-06WT (72-13)	7/9/2002	146	5.58	2.4	M	1.2	14.0	--
FSW 424-M02-07O (72-13)	7/9/2002	182	5.64	0.46	C	2.5	14.0	--
FSW 424-M02-08GY (72-13)	7/9/2002	181	5.65	0.12	C	0.4	15.1	--
FSW 424-M02-09Y (72-13)	7/9/2002	178	5.97	0.12	C	6.6	14.5	--
FSW 424-M02-10P (72-13)	7/9/2002	182	6.00	0.08	C	0.7	13.3	0.53
FSW 424-M02-11GN (72-13)	7/9/2002	193	6.14	0.08	C	0.9	14.0	0.59
FSW 424-M02-12R (72-13)	7/9/2002	230	6.13	0.15	C	0.3	14.3	0.19
FSW 424-M02-13BU (72-13)	7/9/2002	265	6.08	0.15	C	0.6	13.9	0.22
FSW 424-M02-14BK (72-13)	7/9/2002	288	6.10	0.11	C	0.4	13.4	0.21
FSW 424-M02-15W (72-13)	7/9/2002	273	6.19	0.15	C	0.2	14.3	--
FSW 424-M01-01PT	5/29/2003	265	6.15	0.00	C	0.2	12.8	0.71
FSW 424-M01-02GNT	5/29/2003	236	6.13	0.00	C	0.1	12.6	0.50
FSW 424-M01-03RT	5/29/2003	247	6.24	0.00	C	0.0	12.3	0.70
FSW 424-M01-04BUT	5/29/2003	223	6.29	0.01	C	0.4	12.9	0.54
FSW 424-M01-05BKT	5/29/2003	180	6.44	0.04	C	0.1	13.1	0.29
FSW 424-M01-06WT	5/29/2003	184	6.44	0.02	C	0.3	12.8	0.24
FSW 424-M01-07O	5/29/2003	147	6.44	0.01	C	0.3	12.8	0.22
FSW 424-M01-08GY	5/29/2003	117	6.38	0.16	C	0.2	12.8	--
FSW 424-M01-09Y	5/29/2003	90	5.89	0.78	C	0.2	12.8	--
FSW 424-M01-10P	5/29/2003	72	5.58	6.2	M	2.0	13.2	--

Table 6. Field water-quality analyses for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Locations of wells and multilevel samplers are shown in figure 1. **Dissolved-oxygen method**: C, CHEMetrics colorimetric; M, meter. µS/cm, microsiemen per centimeter at 25 degrees Celsius; mg/L, milligram per liter; NTU, Nephelometric Turbidity Unit; meq/L, milliequivalents per liter; --, no data]

Well or multilevel-sampler port	Date	Specific conduct-ance (µS/cm)	pH (standard units)	Dissolved oxygen (mg/L)	Dissolved oxygen method	Turbidity (NTU)	Temper-ature (degrees Celsius)	Alkalinity (meq/L)
FSW 424-M01-11GN	5/29/2003	68	5.42	6.6	M	0.7	13.4	--
FSW 424-M01-12R	5/29/2003	70	5.38	8.0	M	0.4	13.1	--
FSW 424-M01-13BU	5/29/2003	74	5.59	6.8	M	0.5	13.5	--
FSW 424-M01-14BK	5/29/2003	75	5.59	7.7	M	0.2	14.1	--
FSW 424-M01-15W	5/29/2003	76	5.60	6.7	M	0.9	14.6	--
FSW 424-M02-01PT (72-13)	5/29/2003	89	5.28	5.7	M	0.2	10.6	--
FSW 424-M02-02GNT (72-13)	5/29/2003	303	5.26	4.6	M	0.1	10.6	--
FSW 424-M02-03RT (72-13)	5/29/2003	255	5.33	4.0	M	0.2	11.0	0.03
FSW 424-M02-04BUT (72-13)	5/29/2003	91	5.58	5.3	M	0.0	11.7	0.06
FSW 424-M02-05BKT (72-13)	5/29/2003	60	5.75	6.0	M	0.3	11.7	--
FSW 424-M02-06WT (72-13)	5/29/2003	70	5.87	5.9	M	0.4	11.9	--
FSW 424-M02-07O (72-13)	5/29/2003	89	5.95	5.3	M	0.3	11.9	--
FSW 424-M02-08GY (72-13)	5/29/2003	114	5.94	2.2	C	0.6	11.8	--
FSW 424-M02-09Y (72-13)	5/29/2003	132	5.98	1.2	C	1.2	11.7	--
FSW 424-M02-10P (72-13)	5/29/2003	196	6.07	0.01	C	0.2	11.7	--
FSW 424-M02-11GN (72-13)	5/29/2003	236	6.09	0.05	C	0.1	11.7	0.69
FSW 424-M02-12R (72-13)	5/29/2003	277	6.16	0.00	C	0.1	11.7	0.73
FSW 424-M02-13BU (72-13)	5/29/2003	281	6.08	0.02	C	0.2	11.7	0.76
FSW 424-M02-14BK (72-13)	5/29/2003	251	6.14	0.02	C	0.2	11.8	0.72
FSW 424-M02-15W (72-13)	5/29/2003	243	6.19	0.02	C	0.1	11.8	0.69
FSW 424-M01-01PT	7/29/2004	193	6.10	0.23	C	13.9	13.7	0.68
FSW 424-M01-02GNT	7/29/2004	205	6.23	0.42	C	12.0	13.2	0.65
FSW 424-M01-03RT	7/29/2004	182	6.28	0.43	C	11.7	13.7	0.43
FSW 424-M01-04BUT	7/29/2004	163	6.31	0.36	C	4.4	15.2	0.29
FSW 424-M01-05BKT	7/29/2004	103	6.52	0.17	C	10.7	13.1	0.26
FSW 424-M01-06WT	7/29/2004	101	6.51	0.17	C	8.9	13.2	0.26
FSW 424-M01-07O	7/29/2004	95	6.50	0.23	C	5.9	13.7	0.26
FSW 424-M01-08GY	7/29/2004	82	6.28	0.07	C	6.4	13.4	--
FSW 424-M01-09Y	7/29/2004	66	5.70	6.8	M	19.4	13.4	--
FSW 424-M01-10P	7/29/2004	70	5.50	7.5	M	6.0	13.1	--
FSW 424-M01-11GN	7/29/2004	71	5.41	8.3	M	9.4	13.7	--
FSW 424-M01-12R	7/29/2004	76	5.38	8.6	M	16.3	13.7	--
FSW 424-M01-13BU	7/29/2004	75	5.57	8.8	M	11.0	13.8	--
FSW 424-M01-14BK	7/29/2004	72	5.58	8.7	M	14.5	13.3	--
FSW 424-M01-15W	7/29/2004	72	5.63	8.5	M	10.4	14.3	--
FSW 424-M02-01PT (72-13)	7/29/2004	218	5.10	2.4	M	5.0	13.5	--
FSW 424-M02-02GNT (72-13)	7/29/2004	128	5.20	1.7	C	8.5	12.7	--

Table 6. Field water-quality analyses for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Locations of wells and multilevel samplers are shown in figure 1. **Dissolved-oxygen method**: C, CHEMetrics colorimetric; M, meter. µS/cm, microsiemen per centimeter at 25 degrees Celsius; mg/L, milligram per liter; NTU, Nephelometric Turbidity Unit; meq/L, milliequivalents per liter; --, no data]

Well or multilevel-sampler port	Date	Specific conduct-ance (µS/cm)	pH (standard units)	Dissolved oxygen (mg/L)	Dissolved oxygen method	Turbidity (NTU)	Temper-ature (degrees Celsius)	Alkalinity (meq/L)
FSW 424-M02-03RT (72-13)	7/29/2004	123	5.25	1.3	C	9.2	12.5	0.04
FSW 424-M02-04BUT (72-13)	7/29/2004	120	5.46	6.4	M	11.8	13.0	0.03
FSW 424-M02-05BKT (72-13)	7/29/2004	97	5.64	7.1	M	12.0	12.4	--
FSW 424-M02-06WT (72-13)	7/29/2004	60	5.88	7.1	M	8.5	12.2	--
FSW 424-M02-07O (72-13)	7/29/2004	71	5.93	4.9	M	4.5	12.2	--
FSW 424-M02-08GY (72-13)	7/29/2004	88	5.93	1.8	C	5.2	12.3	--
FSW 424-M02-09Y (72-13)	7/29/2004	110	5.97	0.55	C	5.3	12.4	--
FSW 424-M02-10P (72-13)	7/29/2004	117	6.06	0.19	C	5.1	12.4	--
FSW 424-M02-11GN (72-13)	7/29/2004	120	6.07	0.16	C	4.2	12.6	0.75
FSW 424-M02-12R (72-13)	7/29/2004	120	6.10	0.20	C	3.7	12.6	1.01
FSW 424-M02-14BK (72-13)	7/29/2004	120	6.19	0.12	C	2.5	12.4	0.90
FSW 424-M02-15W (72-13)	7/29/2004	115	6.25	0.19	C	2.5	12.5	0.59
FSW 566-M01-01PT	12/8/1994	335	6.29	0.06	C	3.9	--	--
FSW 566-M01-02GNT	12/8/1994	297	6.54	0.15	C	6.0	--	--
FSW 566-M01-04BUT	12/8/1994	247	5.82	0.08	C	1.6	--	--
FSW 566-M01-05BKT	12/8/1994	239	5.80	0.06	C	4.6	--	--
FSW 566-M01-06WT	12/8/1994	167	5.84	0.06	C	2.3	--	--
FSW 566-M01-07O	12/8/1994	157	5.91	0.06	C	2.2	--	--
FSW 566-M01-08GY	12/8/1994	150	5.59	0.20	C	2.1	--	--
FSW 566-M01-09Y	12/8/1994	132	5.69	0.06	C	0.6	--	--
FSW 566-M01-10P	12/8/1994	138	5.75	0.07	C	2.3	--	--
FSW 566-M01-11GN	12/8/1994	118	5.65	2.9	M	1.9	--	--
FSW 566-M01-12R	12/8/1994	93	5.76	4.5	M	0.9	--	--
FSW 566-M01-13BU	12/8/1994	79	5.41	2.6	M	1.2	--	--
FSW 566-M01-14BK	12/8/1994	103	5.49	0.08	C	0.5	--	--
FSW 566-M01-15W	12/8/1994	118	6.05	0.08	C	3.4	--	--
FSW 566-M02-01PT (65-12)	12/8/1994	40	5.79	1.8	M	0.3	--	--
FSW 566-M02-02GNT (65-12)	12/8/1994	56	4.99	2.0	M	0.3	--	--
FSW 566-M02-03RT (65-12)	12/9/1994	90	6.03	4.5	M	0.3	--	--
FSW 566-M02-04BUT (65-12)	12/9/1994	166	5.59	5.6	M	1.1	--	--
FSW 566-M02-05BKT (65-12)	12/9/1994	306	5.84	0.90	C	2.6	--	--
FSW 566-M02-06WT (65-12)	12/9/1994	405	5.75	0.20	C	1.0	--	--
FSW 566-M02-07O (65-12)	12/9/1994	409	5.82	0.10	C	0.2	--	--
FSW 566-M02-08GY (65-12)	12/9/1994	423	5.86	0.10	C	0.2	--	--
FSW 566-M02-09Y (65-12)	12/9/1994	465	6.06	0.10	C	0.3	--	--
FSW 566-M02-10P (65-12)	12/9/1994	467	6.04	0.10	C	0.2	--	--
FSW 566-M02-11GN (65-12)	12/9/1994	448	6.20	0.08	C	0.3	--	--
FSW 566-M02-12R (65-12)	12/9/1994	466	6.14	0.20	C	0.3	--	--

Table 6. Field water-quality analyses for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Specific conduct-ance (µS/cm)	pH (standard units)	Dissolved oxygen (mg/L)	Dissolved oxygen method	Turbidity (NTU)	Temper-ature (degrees Celsius)	Alkalinity (meq/L)
FSW 566-M02-13BU (65-12)	12/9/1994	350	6.21	0.15	C	3.6	--	--
FSW 566-M02-14BK (65-12)	12/9/1994	339	6.31	0.20	C	1.6	--	--
FSW 566-M02-15W (65-12)	12/9/1994	341	6.24	0.20	C	0.9	--	--
FSW 566-M01-01PT	7/11/1996	372	6.31	0.04	C	3.0	12.1	--
FSW 566-M01-02GNT	7/11/1996	348	6.30	0.15	C	4.6	12.5	--
FSW 566-M01-04BUT	7/11/1996	310	6.28	0.10	C	1.6	12.1	--
FSW 566-M01-05BKT	7/11/1996	245	6.24	0.30	C	2.3	12.2	--
FSW 566-M01-06WT	7/11/1996	183	6.13	0.03	C	1.5	12.3	--
FSW 566-M01-07O	7/11/1996	146	5.95	0.70	C	0.8	12.2	--
FSW 566-M01-08GY	7/11/1996	126	5.89	0.20	C	0.7	12.3	--
FSW 566-M01-09Y	7/11/1996	130	5.67	0.10	C	0.8	13.2	--
FSW 566-M01-10P	7/11/1996	133	5.65	0.08	C	9.9	12.2	--
FSW 566-M01-11GN	7/11/1996	130	5.54	4.5	M	5.0	12.8	--
FSW 566-M01-12R	7/11/1996	105	5.33	5.4	M	1.3	12.2	--
FSW 566-M01-13BU	7/11/1996	78	5.50	5.1	M	2.8	12.4	--
FSW 566-M01-14BK	7/11/1996	99	5.58	0.04	C	0.7	12.4	--
FSW 566-M01-15W	7/11/1996	108	6.01	0.06	C	0.6	13.2	--
FSW 566-M02-01PT (65-12)	7/11/1996	31	5.26	2.9	M	0.7	11.3	--
FSW 566-M02-02GNT (65-12)	7/11/1996	30	5.36	5.6	M	0.7	11.2	--
FSW 566-M02-03RT (65-12)	7/11/1996	36	5.64	4.4	M	2.4	11.7	--
FSW 566-M02-04BUT (65-12)	7/11/1996	60	5.92	6.6	M	13.4	11.5	--
FSW 566-M02-05BKT (65-12)	7/11/1996	102	5.91	5.6	M	6.0	11.5	--
FSW 566-M02-06WT (65-12)	7/11/1996	173	5.97	3.0	M	7.3	--	--
FSW 566-M02-07O (65-12)	7/11/1996	449	6.20	0.08	C	0.7	12.5	--
FSW 566-M02-08GY (65-12)	7/11/1996	269	6.11	0.20	C	0.4	12.3	--
FSW 566-M02-09Y (65-12)	7/11/1996	315	6.17	0.08	C	0.4	12.3	--
FSW 566-M02-10P (65-12)	7/11/1996	413	6.18	0.08	C	0.6	12.2	--
FSW 566-M02-11GN (65-12)	7/11/1996	451	6.23	0.15	C	0.7	12.7	--
FSW 566-M02-12R (65-12)	7/11/1996	455	6.23	0.10	C	0.5	12.6	--
FSW 566-M02-13BU (65-12)	7/11/1996	418	6.10	0.08	C	0.5	12.5	--
FSW 566-M02-14BK (65-12)	7/11/1996	407	5.90	0.10	C	0.4	12.4	--
FSW 566-M02-15W (65-12)	7/11/1996	433	6.04	0.15	C	1.1	13.0	--
FSW 566-M01-01PT	6/5/1997	384	5.98	0.02	C	2.8	11.3	--
FSW 566-M01-02GNT	6/5/1997	369	6.34	0.04	C	9.9	11.2	--
FSW 566-M01-04BUT	6/5/1997	364	6.31	0.04	C	15.3	11.1	--
FSW 566-M01-05BKT	6/5/1997	360	6.26	0.04	C	3.3	11.1	--
FSW 566-M01-06WT	6/5/1997	353	6.18	0.04	C	1.5	11.0	--

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[Locations of wells and multilevel samplers are shown in figure 1. **Dissolved-oxygen method**: C, CHEMetrics colorimetric; M, meter. µS/cm, microsiemen per centimeter at 25 degrees Celsius; mg/L, milligram per liter; NTU, Nephelometric Turbidity Unit; meq/L, milliequivalents per liter; --, no data]

Well or multilevel-sampler port	Date	Specific conductance (µS/cm)	pH (standard units)	Dissolved oxygen (mg/L)	Dissolved oxygen method	Turbidity (NTU)	Temperature (degrees Celsius)	Alkalinity (meq/L)
FSW 566-M01-07O	6/5/1997	301	6.19	0.04	C	1.2	11.1	--
FSW 566-M01-08GY	6/5/1997	244	6.02	0.03	C	1.0	11.1	--
FSW 566-M01-09Y	6/5/1997	210	5.84	0.05	C	0.5	11.2	--
FSW 566-M01-10P	6/5/1997	142	5.80	0.04	C	5.4	11.3	--
FSW 566-M01-11GN	6/5/1997	102	5.58	2.7	M	3.6	11.2	--
FSW 566-M01-12R	6/5/1997	81	5.40	6.1	M	2.6	11.1	--
FSW 566-M01-13BU	6/5/1997	71	5.61	7.3	M	1.4	11.1	--
FSW 566-M01-14BK	6/5/1997	86	5.61	2.5	M	2.5	11.1	--
FSW 566-M01-15W	6/5/1997	106	5.79	1.9	M	1.1	11.1	--
FSW 566-M02-01PT (65-12)	6/6/1997	28	5.41	5.1	M	0.5	11.3	--
FSW 566-M02-02GNT (65-12)	6/6/1997	33	5.44	6.4	M	0.5	11.1	--
FSW 566-M02-03RT (65-12)	6/6/1997	46	5.70	5.2	M	0.9	12.0	--
FSW 566-M02-04BUT (65-12)	6/6/1997	74	5.84	6.4	M	1.2	12.4	--
FSW 566-M02-05BKT (65-12)	6/6/1997	152	5.84	6.7	M	2.4	11.8	--
FSW 566-M02-06WT (65-12)	6/6/1997	257	5.81	2.4	M	2.7	11.6	--
FSW 566-M02-07O (65-12)	6/6/1997	318	5.87	0.06	C	3.0	11.8	--
FSW 566-M02-08GY (65-12)	6/6/1997	393	5.90	0.05	C	0.5	11.7	--
FSW 566-M02-09Y (65-12)	6/6/1997	430	5.95	0.04	C	0.4	11.9	--
FSW 566-M02-10P (65-12)	6/6/1997	444	5.99	0.06	C	0.5	12.0	--
FSW 566-M02-11GN (65-12)	6/6/1997	458	6.04	0.06	C	0.4	12.2	--
FSW 566-M02-12R (65-12)	6/6/1997	464	6.08	0.03	C	0.4	12.1	--
FSW 566-M02-13BU (65-12)	6/6/1997	469	6.12	0.06	C	0.6	12.1	--
FSW 566-M02-14BK (65-12)	6/6/1997	475	6.10	0.06	C	0.5	11.9	--
FSW 566-M02-15W (65-12)	6/6/1997	458	6.12	0.05	C	0.8	11.6	--
FSW 566-M01-01PT	5/13/1998	393	6.14	0.03	C	4.0	11.9	--
FSW 566-M01-02GNT	5/13/1998	359	6.41	0.02	C	16.6	12.2	--
FSW 566-M01-03RT	5/13/1998	391	6.45	0.21	C	1.5	12.3	--
FSW 566-M01-04BUT	5/13/1998	412	6.49	0.04	C	3.2	11.7	--
FSW 566-M01-05BKT	5/13/1998	382	6.40	0.04	C	5.5	11.7	--
FSW 566-M01-06WT	5/13/1998	351	6.33	0.05	C	3.6	12.0	--
FSW 566-M01-07O	5/13/1998	324	6.16	0.04	C	2.3	11.8	--
FSW 566-M01-08GY	5/13/1998	330	5.98	0.05	C	2.7	11.4	--
FSW 566-M01-09Y	5/13/1998	230	5.98	0.06	C	2.3	11.4	--
FSW 566-M01-10P	5/13/1998	104	6.12	1.6	M	34.4	11.6	--
FSW 566-M01-11GN	5/13/1998	76	5.86	6.2	M	3.9	11.5	--
FSW 566-M01-12R	5/13/1998	83	5.55	3.9	M	0.8	11.6	--
FSW 566-M01-13BU	5/13/1998	82	5.77	6.0	M	5.7	11.5	--
FSW 566-M01-14BK	5/13/1998	97	5.72	3.3	M	1.5	11.7	--

Table 6. Field water-quality analyses for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Locations of wells and multilevel samplers are shown in figure 1. **Dissolved-oxygen method**: C, CHEMetrics colorimetric; M, meter. µS/cm, microsiemen per centimeter at 25 degrees Celsius; mg/L, milligram per liter; NTU, Nephelometric Turbidity Unit; meq/L, milliequivalents per liter; --, no data]

Well or multilevel-sampler port	Date	Specific conductance (µS/cm)	pH (standard units)	Dissolved oxygen (mg/L)	Dissolved oxygen method	Turbidity (NTU)	Temperature (degrees Celsius)	Alkalinity (meq/L)
FSW 566-M01-15W	5/13/1998	102	5.71	2.9	M	3.1	12.0	--
FSW 566-M02-01PT (65-12)	5/13/1998	29	5.31	4.0	M	1.1	10.3	--
FSW 566-M02-02GNT (65-12)	5/13/1998	35	5.31	4.1	M	0.9	10.6	--
FSW 566-M02-03RT (65-12)	5/13/1998	56	5.56	4.5	M	2.3	10.8	--
FSW 566-M02-04BUT (65-12)	5/13/1998	74	5.82	5.4	M	17.9	10.9	--
FSW 566-M02-05BKT (65-12)	5/13/1998	105	5.90	6.3	M	9.5	11.1	--
FSW 566-M02-06WT (65-12)	5/13/1998	187	5.85	1.3	M	9.6	11.4	--
FSW 566-M02-07O (65-12)	5/13/1998	255	5.86	0.04	C	11.3	11.4	--
FSW 566-M02-08GY (65-12)	5/13/1998	348	5.87	0.03	C	1.3	11.5	--
FSW 566-M02-09Y (65-12)	5/13/1998	408	5.87	0.03	C	0.8	11.4	--
FSW 566-M02-10P (65-12)	5/13/1998	439	5.91	0.03	C	0.9	11.7	--
FSW 566-M02-11GN (65-12)	5/13/1998	441	5.93	0.09	C	1.4	11.6	--
FSW 566-M02-12R (65-12)	5/13/1998	433	5.98	0.06	C	0.9	11.6	--
FSW 566-M02-13BU (65-12)	5/13/1998	410	6.02	0.05	C	1.4	11.7	--
FSW 566-M02-14BK (65-12)	5/13/1998	418	6.04	0.03	C	0.9	11.2	--
FSW 566-M02-15W (65-12)	5/13/1998	413	6.03	0.05	C	1.5	11.2	--
FSW 566-M01-01PT	6/10/1999	206	6.26	0.06	C	1.0	12.7	--
FSW 566-M01-02GNT	6/10/1999	176	6.19	0.08	C	1.0	12.8	0.63
FSW 566-M01-03RT	6/10/1999	183	6.63	0.26	C	1.6	13.7	0.71
FSW 566-M01-04BUT	6/10/1999	174	6.60	0.01	C	1.6	12.2	0.41
FSW 566-M01-05BKT	6/10/1999	158	6.55	0.03	C	2.8	12.4	0.37
FSW 566-M01-06WT	6/10/1999	111	6.44	0.02	C	1.0	12.2	0.24
FSW 566-M01-07O	6/10/1999	94	6.21	0.07	C	1.0	12.4	0.21
FSW 566-M01-08GY	6/10/1999	93	6.15	0.00	C	0.9	12.0	--
FSW 566-M01-09Y	6/10/1999	74	6.27	4.9	M	2.0	12.6	--
FSW 566-M01-10P	6/10/1999	75	5.91	7.0	M	2.0	12.7	--
FSW 566-M01-11GN	6/10/1999	79	5.70	7.4	M	1.9	12.7	--
FSW 566-M01-12R	6/10/1999	78	5.46	8.1	M	1.5	12.6	--
FSW 566-M01-13BU	6/10/1999	77	5.61	7.1	M	0.7	12.2	--
FSW 566-M01-14BK	6/10/1999	84	5.72	6.8	M	0.6	12.7	--
FSW 566-M01-15W	6/10/1999	102	5.70	2.4	M	1.9	12.4	--
FSW 566-M02-01PT (65-12)	6/10/1999	31	5.21	3.1	M	0.5	11.7	0.02
FSW 566-M02-02GNT (65-12)	6/10/1999	46	5.34	2.1	M	0.4	12.0	0.02
FSW 566-M02-03RT (65-12)	6/10/1999	84	5.83	1.4	M	0.7	12.2	--
FSW 566-M02-04BUT (65-12)	6/10/1999	85	5.83	1.2	M	0.8	12.4	--
FSW 566-M02-05BKT (65-12)	6/10/1999	129	5.84	1.4	M	3.8	12.3	--
FSW 566-M02-06WT (65-12)	6/10/1999	179	5.96	0.05	C	6.7	12.5	--

Table 6. Field water-quality analyses for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Locations of wells and multilevel samplers are shown in figure 1. **Dissolved-oxygen method**: C, CHEMetrics colorimetric; M, meter. µS/cm, microsiemen per centimeter at 25 degrees Celsius; mg/L, milligram per liter; NTU, Nephelometric Turbidity Unit; meq/L, milliequivalents per liter; --, no data]

Well or multilevel-sampler port	Date	Specific conduct-ance (µS/cm)	pH (standard units)	Dissolved oxygen (mg/L)	Dissolved oxygen method	Turbidity (NTU)	Temper-ature (degrees Celsius)	Alkalinity (meq/L)
FSW 566-M02-07O (65-12)	6/10/1999	222	6.06	0.00	C	3.8	12.9	0.49
FSW 566-M02-08GY (65-12)	6/10/1999	231	6.12	0.03	C	0.7	13.0	--
FSW 566-M02-09Y (65-12)	6/10/1999	202	6.15	0.03	C	0.8	12.6	0.73
FSW 566-M02-10P (65-12)	6/10/1999	218	6.17	0.09	C	0.9	13.0	--
FSW 566-M02-11GN (65-12)	6/10/1999	222	6.21	0.02	C	0.7	12.5	0.95
FSW 566-M02-12R (65-12)	6/10/1999	260	6.17	0.04	C	0.7	13.1	--
FSW 566-M02-13BU (65-12)	6/10/1999	249	6.19	0.02	C	0.7	12.6	0.85
FSW 566-M02-14BK (65-12)	6/10/1999	217	6.24	0.03	C	0.6	12.8	--
FSW 566-M02-15W (65-12)	6/10/1999	223	6.29	0.02	C	0.7	12.7	0.88
FSW 566-M01-01PT	6/1/2000	158	6.43	0.44	C	1.8	13.5	--
FSW 566-M01-02GNT	6/1/2000	166	6.26	0.23	C	1.8	13.3	0.41
FSW 566-M01-03RT	6/1/2000	156	6.37	0.71	C	1.3	15.0	0.25
FSW 566-M01-04BUT	6/1/2000	108	6.41	0.18	C	2.5	13.0	0.27
FSW 566-M01-05BKT	6/1/2000	92	6.44	0.07	C	4.5	13.3	0.61
FSW 566-M01-06WT	6/1/2000	80	6.36	0.18	C	3.6	13.3	0.22
FSW 566-M01-07O	6/1/2000	72	6.15	0.37	C	5.9	13.1	0.17
FSW 566-M01-08GY	6/1/2000	71	6.09	1.23	C	3.3	12.8	--
FSW 566-M01-09Y	6/1/2000	67	5.99	5.68	M	3.1	13.0	--
FSW 566-M01-10P	6/1/2000	62	5.57	8.18	M	2.6	12.9	--
FSW 566-M01-11GN	6/1/2000	74	5.59	7.74	M	2.4	12.4	--
FSW 566-M01-12R	6/1/2000	78	5.36	8.40	M	1.2	12.5	--
FSW 566-M01-13BU	6/1/2000	82	5.47	7.98	M	1.6	12.6	--
FSW 566-M01-14BK	6/1/2000	87	5.63	5.00	M	1.2	12.7	--
FSW 566-M01-15W	6/1/2000	92	5.56	5.00	M	1.2	12.7	--
FSW 566-M02-01PT (65-12)	6/1/2000	29	5.16	7.9	M	0.5	12.2	--
FSW 566-M02-02GNT (65-12)	6/1/2000	31	5.34	3.9	M	0.5	12.1	--
FSW 566-M02-03RT (65-12)	6/1/2000	41	5.71	1.1	C	0.8	12.4	--
FSW 566-M02-04BUT (65-12)	6/1/2000	61	5.84	1.0	C	1.5	12.6	--
FSW 566-M02-05BKT (65-12)	6/1/2000	83	5.88	2.4	C	5.8	12.8	--
FSW 566-M02-06WT (65-12)	6/1/2000	109	6.00	0.09	C	2.7	12.8	--
FSW 566-M02-07O (65-12)	6/1/2000	133	6.09	0.08	C	2.3	12.8	--
FSW 566-M02-08GY (65-12)	6/1/2000	150	6.11	0.02	C	1.0	13.4	--
FSW 566-M02-09Y (65-12)	6/1/2000	159	6.12	0.06	C	1.0	13.2	0.52
FSW 566-M02-10P (65-12)	6/1/2000	149	6.16	0.06	C	1.7	13.0	--
FSW 566-M02-11GN (65-12)	6/1/2000	149	6.22	0.18	C	1.9	13.4	0.61
FSW 566-M02-12R (65-12)	6/1/2000	160	6.24	0.07	C	1.5	13.5	--
FSW 566-M02-13BU (65-12)	6/1/2000	170	6.39	0.18	C	1.2	13.4	0.41
FSW 566-M02-14BK (65-12)	6/1/2000	172	6.44	0.05	C	3.2	13.4	--

Table 6. Field water-quality analyses for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Locations of wells and multilevel samplers are shown in figure 1. **Dissolved-oxygen method**: C, CHEMetrics colorimetric; M, meter. µS/cm, microsiemen per centimeter at 25 degrees Celsius; mg/L, milligram per liter; NTU, Nephelometric Turbidity Unit; meq/L, milliequivalents per liter; --, no data]

Well or multilevel-sampler port	Date	Specific conduct-ance (µS/cm)	pH (standard units)	Dissolved oxygen (mg/L)	Dissolved oxygen method	Turbidity (NTU)	Temper-ature (degrees Celsius)	Alkalinity (meq/L)
FSW 566-M02-15W (65-12)	6/1/2000	173	6.46	0.09	C	1.1	13.5	0.57
FSW 566-M01-01PT	7/15/2002	194	6.05	0.04	C	0.3	13.7	--
FSW 566-M01-02GNT	7/15/2002	182	6.05	0.04	C	0.2	13.8	0.51
FSW 566-M01-03RT	7/15/2002	145	6.17	0.15	C	0.7	18.5	0.27
FSW 566-M01-04BUT	7/15/2002	107	6.18	0.00	C	0.1	13.5	0.20
FSW 566-M01-05BKT	7/15/2002	88	5.99	0.04	C	1.6	14.6	0.13
FSW 566-M01-06WT	7/15/2002	75	6.06	0.26	C	0.5	14.1	0.14
FSW 566-M01-07O	7/15/2002	75	5.81	4.5	M	0.8	13.8	0.16
FSW 566-M01-08GY	7/15/2002	71	5.86	2.4	M	1.1	13.9	--
FSW 566-M01-09Y	7/15/2002	65	5.71	7.5	M	1.2	14.5	--
FSW 566-M01-10P	7/15/2002	66	5.60	8.1	M	1.3	14.1	--
FSW 566-M01-11GN	7/15/2002	74	5.61	7.8	M	0.6	14.3	--
FSW 566-M01-12R	7/15/2002	74	5.39	8.5	M	0.7	13.9	--
FSW 566-M01-13BU	7/15/2002	73	5.51	8.4	M	0.4	14.5	--
FSW 566-M01-14BK	7/15/2002	78	5.61	8.5	M	0.6	14.4	--
FSW 566-M01-15W	7/15/2002	78	5.61	6.5	M	1.6	14.3	--
FSW 566-M02-01PT (65-12)	7/15/2002	26	5.21	1.6	M	0.5	13.7	0.01
FSW 566-M02-02GNT (65-12)	7/15/2002	26	5.30	3.3	M	0.3	13.8	0.07
FSW 566-M02-03RT (65-12)	7/15/2002	36	5.75	3.2	M	0.6	14.2	--
FSW 566-M02-04BUT (65-12)	7/15/2002	62	5.75	1.8	M	0.3	13.0	--
FSW 566-M02-05BKT (65-12)	7/15/2002	79	5.87	4.7	M	2.6	13.4	--
FSW 566-M02-06WT (65-12)	7/15/2002	106	6.00	2.2	M	0.7	13.0	--
FSW 566-M02-07O (65-12)	7/15/2002	151	6.03	0.04	C	0.6	13.5	0.34
FSW 566-M02-08GY (65-12)	7/15/2002	207	6.03	0.06	C	0.3	13.6	--
FSW 566-M02-09Y (65-12)	7/15/2002	261	6.01	0.12	C	0.3	14.5	0.75
FSW 566-M02-10P (65-12)	7/15/2002	277	6.06	0.05	C	0.5	13.6	--
FSW 566-M02-11GN (65-12)	7/15/2002	259	6.08	0.07	C	0.4	14.1	1.24
FSW 566-M02-12R (65-12)	7/15/2002	254	6.11	0.06	C	0.3	13.6	--
FSW 566-M02-13BU (65-12)	7/15/2002	275	6.08	0.04	C	0.6	13.5	1.33
FSW 566-M02-14BK (65-12)	7/15/2002	290	6.10	0.08	C	0.5	13.9	--
FSW 566-M02-15W (65-12)	7/15/2002	289	6.09	0.03	C	0.4	13.7	1.35
FSW 566-M01-01PT	8/17/2004	132	6.21	0.14	C	4.8	12.7	0.68
FSW 566-M01-02GNT	8/17/2004	233	6.07	0.11	C	6.8	12.7	0.65
FSW 566-M01-03RT	8/17/2004	209	6.22	0.73	C	1.7	15.0	0.43
FSW 566-M01-04BUT	8/17/2004	128	6.40	0.05	C	4.3	12.7	0.29
FSW 566-M01-05BKT	8/17/2004	123	6.23	0.02	C	5.3	12.2	0.26
FSW 566-M01-06WT	8/17/2004	78	5.93	0.06	C	5.3	12.3	0.26

Table 6. Field water-quality analyses for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Specific conductance (µS/cm)	pH (standard units)	Dissolved oxygen (mg/L)	Dissolved oxygen method	Turbidity (NTU)	Temperature (degrees Celsius)	Alkalinity (meq/L)
FSW 566-M01-07O	8/17/2004	71	5.81	3.9	M	10.3	12.6	0.26
FSW 566-M01-08GY	8/17/2004	70	5.89	7.2	M	6.7	12.1	--
FSW 566-M01-09Y	8/17/2004	72	5.69	8.1	M	10.3	12.2	--
FSW 566-M01-10P	8/17/2004	82	5.69	8.7	M	8.0	12.1	--
FSW 566-M01-11GN	8/17/2004	82	5.62	8.5	M	5.1	12.6	--
FSW 566-M01-12R	8/17/2004	73	5.47	9.6	M	4.5	12.1	--
FSW 566-M01-13BU	8/17/2004	73	5.59	9.3	M	5.1	12.2	--
FSW 566-M01-14BK	8/17/2004	73	5.70	7.7	M	2.0	12.6	--
FSW 566-M01-15W	8/17/2004	77	5.69	7.6	M	5.5	12.9	--
FSW 566-M02-01PT (65-12)	8/17/2004	20	5.28	0.48	C	0.4	12.8	0.02
FSW 566-M02-02GNT (65-12)	8/17/2004	25	5.20	2.0	C	1.7	12.4	0.00
FSW 566-M02-03RT (65-12)	8/17/2004	36	5.29	3.4	M	0.3	12.4	--
FSW 566-M02-04BUT (65-12)	8/17/2004	52	5.81	2.0	M	6.0	12.6	--
FSW 566-M02-05BKT (65-12)	8/17/2004	81	5.90	4.9	M	6.1	12.9	--
FSW 566-M02-06WT (65-12)	8/17/2004	104	5.96	1.6	C	4.0	12.7	--
FSW 566-M02-07O (65-12)	8/17/2004	121	6.07	0.04	C	4.8	12.7	0.31
FSW 566-M02-08GY (65-12)	8/17/2004	119	6.14	0.18	C	5.2	12.8	--
FSW 566-M02-09Y (65-12)	8/17/2004	120	6.20	0.05	C	2.6	12.3	0.47
FSW 566-M02-10P (65-12)	8/17/2004	121	6.24	0.14	C	3.8	12.6	--
FSW 566-M02-11GN (65-12)	8/17/2004	121	6.24	0.09	C	3.3	13.1	0.55
FSW 566-M02-12R (65-12)	8/17/2004	123	6.28	0.90	C	3.6	13.2	--
FSW 566-M02-13BU (65-12)	8/17/2004	127	6.27	0.18	C	2.7	12.6	0.63
FSW 566-M02-14BK (65-12)	8/17/2004	128	6.27	0.18	C	1.4	12.7	--
FSW 566-M02-15W (65-12)	8/17/2004	181	6.25	0.10	C	8.1	12.7	0.65
FSW 575-M01-01PT	7/10/1996	374	6.16	0.04	C	2.6	11.9	--
FSW 575-M01-02GNT	7/10/1996	313	5.77	0.01	C	1.7	11.6	--
FSW 575-M01-03RT	7/10/1996	401	6.49	0.00	C	12.8	11.5	--
FSW 575-M01-04BUT	7/10/1996	382	6.51	0.00	C	10.0	11.7	--
FSW 575-M01-05BKT	7/10/1996	428	6.58	0.00	C	47.5	11.8	--
FSW 575-M01-06WT	7/10/1996	385	6.49	0.00	C	18.1	12.2	--
FSW 575-M01-07O	7/10/1996	341	6.39	0.00	C	22.5	12.3	--
FSW 575-M01-08GY	7/10/1996	319	6.25	0.00	C	8.1	12.5	--
FSW 575-M01-09Y	7/10/1996	262	5.67	0.00	C	26.4	12.2	--
FSW 575-M01-10P	7/10/1996	207	5.70	0.20	C	58.2	12.3	--
FSW 575-M01-11GN	7/10/1996	105	5.55	4.6	M	10.2	12.7	--
FSW 575-M01-12R	7/10/1996	83	5.52	7.5	M	4.1	12.8	--
FSW 575-M01-13BU	7/10/1996	83	5.46	7.6	M	4.3	12.4	--
FSW 575-M01-14BK	7/10/1996	83	5.37	7.2	M	1.3	12.6	--

Table 6. Field water-quality analyses for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Locations of wells and multilevel samplers are shown in figure 1. **Dissolved-oxygen method**: C, CHEMetrics colorimetric; M, meter. µS/cm, microsiemen per centimeter at 25 degrees Celsius; mg/L, milligram per liter; NTU, Nephelometric Turbidity Unit; meq/L, milliequivalents per liter; --, no data]

Well or multilevel-sampler port	Date	Specific conduct-ance (µS/cm)	pH (standard units)	Dissolved oxygen (mg/L)	Dissolved oxygen method	Turbidity (NTU)	Temper-ature (degrees Celsius)	Alkalinity (meq/L)
FSW 575-M01-15W	7/10/1996	76	5.42	6.8	M	1.4	13.7	--
FSW 575-M02-01PT (44-19)	7/10/1996	32	5.52	9.5	M	0.8	12.5	--
FSW 575-M02-02GNT (44-19)	7/10/1996	41	5.79	8.2	M	1.3	11.1	--
FSW 575-M02-03RT (44-19)	7/10/1996	91	5.79	6.5	M	2.6	11.2	--
FSW 575-M02-04BUT (44-19)	7/10/1996	175	5.70	3.1	M	2.3	11.4	--
FSW 575-M02-05BKT (44-19)	7/10/1996	292	5.65	0.80	C	1.7	11.2	--
FSW 575-M02-06WT (44-19)	7/10/1996	382	5.68	0.80	C	1.1	11.4	--
FSW 575-M02-07O (44-19)	7/10/1996	429	5.72	0.04	C	0.4	11.5	--
FSW 575-M02-08GY (44-19)	7/10/1996	436	5.83	0.02	C	0.5	11.4	--
FSW 575-M02-09Y (44-19)	7/10/1996	431	5.87	0.10	C	0.9	11.7	--
FSW 575-M02-10P (44-19)	7/10/1996	434	5.92	0.06	C	0.6	11.5	--
FSW 575-M02-11GN (44-19)	7/10/1996	403	5.95	0.05	M	0.6	12.1	--
FSW 575-M02-12R (44-19)	7/10/1996	448	5.99	0.15	C	0.6	11.6	--
FSW 575-M02-13BU (44-19)	7/10/1996	445	6.02	1.0	C	0.5	11.8	--
FSW 575-M02-14BK (44-19)	7/10/1996	457	6.05	0.06	C	0.6	11.7	--
FSW 575-M02-15W (44-19)	7/10/1996	443	6.07	0.05	C	0.7	12.9	--
FSW 575-M01-01PT	6/18/1997	48	5.62	10.1	M	1.1	12.6	--
FSW 575-M01-02GNT	6/18/1997	67	5.72	9.2	M	2.2	12.8	--
FSW 575-M01-03RT	6/18/1997	94	5.77	8.4	M	4.6	13.0	--
FSW 575-M01-04BUT	6/18/1997	252	5.81	4.7	M	3.2	13.2	--
FSW 575-M01-05BKT	6/18/1997	271	5.85	2.8	M	1.6	14.1	--
FSW 575-M01-06WT	6/18/1997	440	5.85	0.03	C	0.5	13.6	--
FSW 575-M01-07O	6/18/1997	470	6.01	0.30	C	0.7	14.5	--
FSW 575-M01-08GY	6/18/1997	479	5.96	0.04	C	0.2	14.6	--
FSW 575-M01-09Y	6/18/1997	482	5.97	0.08	C	0.9	14.2	--
FSW 575-M01-10P	6/18/1997	482	5.93	0.30	C	0.5	14.2	--
FSW 575-M01-11GN	6/18/1997	483	5.97	0.44	C	0.6	14.0	--
FSW 575-M01-12R	6/18/1997	485	6.03	0.03	C	0.6	14.0	--
FSW 575-M01-13BU	6/18/1997	492	5.86	0.24	C	0.8	14.3	--
FSW 575-M01-14BK	6/18/1997	491	6.09	0.03	C	0.5	13.9	--
FSW 575-M01-15W	6/18/1997	488	6.06	0.08	C	0.5	14.0	--
FSW 575-M02-01PT (44-19)	6/18/1997	484	--	0.02	C	15.1	--	--
FSW 575-M02-02GNT (44-19)	6/18/1997	421	6.00	0.04	C	10.2	13.3	--
FSW 575-M02-03RT (44-19)	6/18/1997	414	6.50	0.00	C	3.4	13.4	--
FSW 575-M02-04BUT (44-19)	6/18/1997	425	6.51	0.00	C	47.5	13.4	--
FSW 575-M02-05BKT (44-19)	6/18/1997	442	6.62	0.00	C	34.4	13.2	--
FSW 575-M02-06WT (44-19)	6/18/1997	389	6.51	0.00	C	5.6	13.5	--

Table 6. Field water-quality analyses for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Locations of wells and multilevel samplers are shown in figure 1. **Dissolved-oxygen method**: C, CHEMetrics colorimetric; M, meter. µS/cm, microsiemen per centimeter at 25 degrees Celsius; mg/L, milligram per liter; NTU, Nephelometric Turbidity Unit; meq/L, milliequivalents per liter; --, no data]

Well or multilevel-sampler port	Date	Specific conduct-ance (µS/cm)	pH (standard units)	Dissolved oxygen (mg/L)	Dissolved oxygen method	Turbidity (NTU)	Temper-ature (degrees Celsius)	Alkalinity (meq/L)
FSW 575-M02-07O (44-19)	6/18/1997	392	6.10	0.00	C	15.0	13.8	--
FSW 575-M02-08GY (44-19)	6/18/1997	352	5.17	0.08	C	1.0	13.0	--
FSW 575-M02-09Y (44-19)	6/18/1997	394	5.58	0.04	C	2.3	13.4	--
FSW 575-M02-10P (44-19)	6/18/1997	287	5.72	0.01	C	5.7	13.4	--
FSW 575-M02-11GN (44-19)	6/18/1997	120	5.59	0.55	C	9.0	13.0	--
FSW 575-M02-12R (44-19)	6/18/1997	98	5.58	4.8	M	3.2	13.4	--
FSW 575-M02-13BU (44-19)	6/18/1997	85	5.55	7.2	M	7.5	13.1	--
FSW 575-M02-14BK (44-19)	6/18/1997	81	5.50	7.0	M	0.7	14.9	--
FSW 575-M02-15W (44-19)	6/18/1997	105	5.61	7.6	M	1.1	14.4	--
FSW 575-M01-01PT	6/3/1998	352	6.21	0.03	C	1.5	12.8	--
FSW 575-M01-02GNT	6/3/1998	371	6.22	0.04	C	3.4	12.9	--
FSW 575-M01-03RT	6/3/1998	275	5.99	0.00	C	2.4	13.4	--
FSW 575-M01-04BUT	6/3/1998	247	6.30	0.00	C	10.5	12.7	--
FSW 575-M01-05BKT	6/3/1998	249	6.66	0.00	C	5.3	12.9	--
FSW 575-M01-06WT	6/3/1998	271	6.62	0.00	C	13.9	12.9	--
FSW 575-M01-07O	6/3/1998	201	6.38	0.01	C	25.8	12.2	--
FSW 575-M01-08GY	6/3/1998	131	6.35	0.03	C	2.5	12.4	--
FSW 575-M01-09Y	6/3/1998	97	6.30	0.08	C	38.7	12.1	--
FSW 575-M01-10P	6/3/1998	94	5.88	0.60	C	47.4	12.6	--
FSW 575-M01-11GN	6/3/1998	72	5.65	7.8	M	44.4	12.7	--
FSW 575-M01-12R	6/3/1998	78	5.58	8.4	M	36.3	12.7	--
FSW 575-M01-13BU	6/3/1998	81	5.53	8.6	M	38.6	12.7	--
FSW 575-M01-14BK	6/3/1998	79	5.51	8.1	M	5.9	12.9	--
FSW 575-M01-15W	6/3/1998	86	5.60	7.5	M	3.0	12.8	--
FSW 575-M02-01PT (44-19)	6/3/1998	36	5.76	10.4	M	1.1	11.7	--
FSW 575-M02-02GNT (44-19)	6/3/1998	56	5.84	9.4	M	2.1	11.8	--
FSW 575-M02-03RT (44-19)	6/3/1998	82	5.93	6.9	M	3.5	11.9	--
FSW 575-M02-04BUT (44-19)	6/3/1998	125	5.95	3.2	M	10.3	12.0	--
FSW 575-M02-05BKT (44-19)	6/3/1998	178	5.99	0.43	C	2.6	12.1	--
FSW 575-M02-06WT (44-19)	6/3/1998	212	6.14	0.02	C	1.2	12.3	--
FSW 575-M02-07O (44-19)	6/3/1998	217	6.22	0.02	C	0.9	12.3	--
FSW 575-M02-08GY (44-19)	6/3/1998	239	6.28	0.02	C	1.7	12.7	--
FSW 575-M02-09Y (44-19)	6/3/1998	266	6.22	0.02	C	1.4	12.7	--
FSW 575-M02-10P (44-19)	6/3/1998	283	6.22	0.01	C	1.1	12.8	--
FSW 575-M02-11GN (44-19)	6/3/1998	278	6.23	0.03	C	0.3	13.1	--
FSW 575-M02-12R (44-19)	6/3/1998	254	6.31	0.07	C	0.6	12.8	--
FSW 575-M02-13BU (44-19)	6/3/1998	269	6.30	0.03	C	0.8	12.9	--
FSW 575-M02-14BK (44-19)	6/3/1998	270	6.34	0.04	C	0.9	13.1	--

Table 6. Field water-quality analyses for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Locations of wells and multilevel samplers are shown in figure 1. **Dissolved-oxygen method**: C, CHEMetrics colorimetric; M, meter. µS/cm, microsiemen per centimeter at 25 degrees Celsius; mg/L, milligram per liter; NTU, Nephelometric Turbidity Unit; meq/L, milliequivalents per liter; --, no data]

Well or multilevel-sampler port	Date	Specific conduct-ance (µS/cm)	pH (standard units)	Dissolved oxygen (mg/L)	Dissolved oxygen method	Turbidity (NTU)	Temper-ature (degrees Celsius)	Alkalinity (meq/L)
FSW 575-M02-15W (44-19)	6/3/1998	313	6.24	0.06	C	1.2	13.2	--
FSW 575-M01-01PT	6/7/1999	180	6.44	0.03	C	0.6	13.9	--
FSW 575-M01-02GNT	6/7/1999	186	6.47	0.02	C	0.5	13.7	--
FSW 575-M01-03RT	6/7/1999	176	6.29	0.03	C	0.3	13.5	--
FSW 575-M01-04BUT	6/7/1999	179	6.49	0.00	C	0.8	14.0	0.32
FSW 575-M01-05BKT	6/7/1999	174	6.58	0.00	C	1.0	13.5	0.47
FSW 575-M01-06WT	6/7/1999	152	6.60	0.00	C	15.7	14.0	0.42
FSW 575-M01-07O	6/7/1999	147	6.32	0.00	C	5.4	13.5	0.33
FSW 575-M01-08GY	6/7/1999	115	6.07	0.05	C	0.0	14.2	--
FSW 575-M01-09Y	6/7/1999	119	5.92	2.7	M	2.0	14.8	--
FSW 575-M01-10P	6/7/1999	71	5.71	7.4	M	1.1	14.0	--
FSW 575-M01-11GN	6/7/1999	78	5.81	9.0	M	3.4	14.2	--
FSW 575-M01-12R	6/7/1999	78	5.61	9.2	M	2.2	13.3	--
FSW 575-M01-13BU	6/7/1999	77	5.57	9.1	M	2.4	13.5	--
FSW 575-M01-14BK	6/7/1999	79	5.56	8.5	M	1.6	13.6	--
FSW 575-M01-15W	6/7/1999	85	5.65	8.7	M	3.0	13.7	--
FSW 575-M02-01PT (44-19)	6/7/1999	38	5.64	9.1	M	6.3	14.1	0.02
FSW 575-M02-02GNT (44-19)	6/7/1999	60	5.74	6.8	M	0.6	13.8	0.06
FSW 575-M02-03RT (44-19)	6/7/1999	92	5.78	5.0	M	0.9	13.8	--
FSW 575-M02-04BUT (44-19)	6/7/1999	115	5.90	0.91	C	0.8	13.7	--
FSW 575-M02-05BKT (44-19)	6/7/1999	150	5.95	0.05	C	1.0	13.9	0.29
FSW 575-M02-06WT (44-19)	6/7/1999	202	6.02	0.03	C	0.5	14.1	--
FSW 575-M02-07O (44-19)	6/7/1999	201	6.06	0.06	C	0.5	14.1	0.40
FSW 575-M02-08GY (44-19)	6/7/1999	160	6.13	0.01	C	0.4	14.3	--
FSW 575-M02-09Y (44-19)	6/7/1999	150	6.11	0.21	C	0.6	14.6	0.66
FSW 575-M02-10P (44-19)	6/7/1999	157	6.10	0.08	C	0.4	15.0	--
FSW 575-M02-11GN (44-19)	6/7/1999	158	6.18	0.18	C	0.4	15.0	0.72
FSW 575-M02-12R (44-19)	6/7/1999	156	6.16	0.20	C	0.6	14.0	--
FSW 575-M02-13BU (44-19)	6/7/1999	161	6.24	0.07	C	0.3	14.5	0.82
FSW 575-M02-14BK (44-19)	6/7/1999	186	6.35	0.30	C	0.6	14.1	--
FSW 575-M02-15W (44-19)	6/7/1999	179	6.44	0.18	C	0.6	14.3	1.00
FSW 575-M01-01PT	5/31/2000	136	6.10	0.02	C	0.8	12.6	--
FSW 575-M01-02GNT	5/31/2000	145	6.22	0.04	C	0.8	12.4	--
FSW 575-M01-03RT	5/31/2000	160	6.13	0.02	C	0.7	12.2	--
FSW 575-M01-04BUT	5/31/2000	153	6.48	0.00	C	1.0	12.3	0.31
FSW 575-M01-05BKT	5/31/2000	140	6.58	0.00	C	1.4	12.5	0.30
FSW 575-M01-06WT	5/31/2000	124	6.52	0.00	C	1.8	12.5	0.27

Table 6. Field water-quality analyses for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Specific conductance (µS/cm)	pH (standard units)	Dissolved oxygen (mg/L)	Dissolved oxygen method	Turbidity (NTU)	Temperature (degrees Celsius)	Alkalinity (meq/L)
FSW 575-M01-07O	5/31/2000	143	6.26	0.05	C	1.7	12.5	0.29
FSW 575-M01-08GY	5/31/2000	80	6.11	0.03	C	1.0	12.4	--
FSW 575-M01-09Y	5/31/2000	96	5.88	3.6	M	8.5	12.2	--
FSW 575-M01-10P	5/31/2000	85	5.59	8.1	M	3.1	12.2	--
FSW 575-M01-11GN	5/31/2000	72	5.67	8.5	M	3.6	12.2	--
FSW 575-M01-12R	5/31/2000	77	5.56	9.2	M	2.8	12.4	--
FSW 575-M01-13BU	5/31/2000	75	5.55	8.7	M	2.8	12.3	--
FSW 575-M01-14BK	5/31/2000	73	5.57	9.4	M	1.0	12.3	--
FSW 575-M01-15W	5/31/2000	83	5.63	8.3	M	1.0	12.3	--
FSW 575-M02-01PT (44-19)	5/31/2000	28	5.51	7.8	M	1.1	11.7	0.02
FSW 575-M02-02GNT (44-19)	5/31/2000	48	5.60	6.8	M	3.1	12.3	0.06
FSW 575-M02-03RT (44-19)	5/31/2000	71	5.69	4.2	M	2.8	12.3	--
FSW 575-M02-04BUT (44-19)	5/31/2000	92	5.86	0.33	C	1.6	12.6	--
FSW 575-M02-05BKT (44-19)	5/31/2000	117	5.96	0.04	C	1.9	12.3	0.22
FSW 575-M02-06WT (44-19)	5/31/2000	161	5.90	0.07	C	1.9	12.5	--
FSW 575-M02-07O (44-19)	5/31/2000	184	5.95	0.08	C	3.5	12.5	0.59
FSW 575-M02-08GY (44-19)	5/31/2000	202	5.90	0.03	C	1.2	12.6	--
FSW 575-M02-09Y (44-19)	5/31/2000	238	5.91	0.03	C	1.1	12.5	0.53
FSW 575-M02-10P (44-19)	5/31/2000	243	6.01	0.04	C	2.1	13.0	--
FSW 575-M02-11GN (44-19)	5/31/2000	257	5.92	0.03	C	0.6	12.6	0.62
FSW 575-M02-12R (44-19)	5/31/2000	185	6.15	0.04	C	1.7	12.7	--
FSW 575-M02-13BU (44-19)	5/31/2000	173	6.26	0.04	C	1.5	12.5	0.56
FSW 575-M02-14BK (44-19)	5/31/2000	155	6.04	0.02	C	2.4	12.8	--
FSW 575-M02-15W (44-19)	5/31/2000	141	6.21	0.05	C	0.7	12.7	0.37
FSW 575-M01-01PT	7/11/2002	210	6.25	0.06	C	0.3	13.6	--
FSW 575-M01-02GNT	7/11/2002	204	6.28	0.02	C	0.2	13.0	--
FSW 575-M01-03RT	7/11/2002	216	6.33	0.03	C	0.3	13.0	--
FSW 575-M01-04BUT	7/11/2002	264	6.41	0.00	C	0.2	13.0	1.70
FSW 575-M01-05BKT	7/11/2002	297	6.56	0.00	C	0.3	13.1	2.05
FSW 575-M01-06WT	7/11/2002	283	6.45	0.00	C	0.2	13.0	1.73
FSW 575-M01-07O	7/11/2002	248	6.40	0.00	C	0.4	12.7	1.15
FSW 575-M01-08GY	7/11/2002	163	5.95	0.02	C	0.3	12.6	--
FSW 575-M01-09Y	7/11/2002	83	5.95	4.4	M	3.6	12.5	--
FSW 575-M01-10P	7/11/2002	83	5.74	5.9	M	6.9	12.7	--
FSW 575-M01-11GN	7/11/2002	76	5.69	9.8	M	4.2	12.5	--
FSW 575-M01-12R	7/11/2002	74	5.60	10.4	M	3.5	12.6	--
FSW 575-M01-13BU	7/11/2002	69	5.56	10.2	M	1.0	12.4	--
FSW 575-M01-14BK	7/11/2002	70	5.55	10.4	M	0.8	12.6	--

Table 6. Field water-quality analyses for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Locations of wells and multilevel samplers are shown in figure 1. **Dissolved-oxygen method**: C, CHEMetrics colorimetric; M, meter. µS/cm, microsiemen per centimeter at 25 degrees Celsius; mg/L, milligram per liter; NTU, Nephelometric Turbidity Unit; meq/L, milliequivalents per liter; --, no data]

Well or multilevel-sampler port	Date	Specific conduct-ance (µS/cm)	pH (standard units)	Dissolved oxygen (mg/L)	Dissolved oxygen method	Turbidity (NTU)	Temper-ature (degrees Celsius)	Alkalinity (meq/L)
FSW 575-M01-15W	7/11/2002	71	5.59	10.5	M	0.1	12.8	--
FSW 575-M02-01PT (44-19)	7/11/2002	25	5.67	10.2	M	0.4	13.7	0.64
FSW 575-M02-02GNT (44-19)	7/11/2002	52	5.74	8.6	M	0.3	13.4	0.10
FSW 575-M02-03RT (44-19)	7/11/2002	72	5.74	4.3	M	0.5	13.0	--
FSW 575-M02-04BUT (44-19)	7/11/2002	97	5.68	0.41	C	0.5	13.4	--
FSW 575-M02-05BKT (44-19)	7/11/2002	122	5.77	0.02	C	0.5	13.4	0.36
FSW 575-M02-06WT (44-19)	7/11/2002	143	5.90	0.05	C	0.4	13.1	--
FSW 575-M02-07O (44-19)	7/11/2002	144	5.95	0.04	C	0.3	13.3	0.46
FSW 575-M02-08GY (44-19)	7/11/2002	142	6.06	0.05	C	0.9	13.1	--
FSW 575-M02-09Y (44-19)	7/11/2002	132	6.12	0.06	C	0.9	13.7	0.47
FSW 575-M02-10P (44-19)	7/11/2002	135	6.13	0.06	C	0.6	13.5	--
FSW 575-M02-11GN (44-19)	7/11/2002	143	6.14	0.09	C	1.4	14.5	0.62
FSW 575-M02-12R (44-19)	7/11/2002	165	6.09	0.54	C	0.7	13.6	--
FSW 575-M02-13BU (44-19)	7/11/2002	172	6.22	2.0	M	0.7	13.2	0.96
FSW 575-M02-14BK (44-19)	7/11/2002	174	6.25	2.1	M	3.0	13.4	--
FSW 575-M02-15W (44-19)	7/11/2002	193	6.22	0.76	M	1.1	13.7	1.18
FSW 575-M01-01PT	8/30/2004	147	6.17	0.05	C	0.2	16.6	--
FSW 575-M01-02GNT	8/30/2004	151	6.27	0.07	C	6.8	16.0	--
FSW 575-M01-03RT	8/30/2004	167	6.33	0.07	C	3.8	15.4	--
FSW 575-M01-04BUT	8/30/2004	177	6.58	0.00	C	3.0	16.0	1.77
FSW 575-M01-05BKT	8/30/2004	186	6.68	0.01	C	1.3	16.2	1.91
FSW 575-M01-06WT	8/30/2004	171	6.59	0.05	C	9.2	16.0	1.67
FSW 575-M01-07O	8/30/2004	140	6.48	0.00	C	6.3	15.2	1.27
FSW 575-M01-08GY	8/30/2004	102	6.07	1.4	M	7.7	15.4	--
FSW 575-M01-09Y	8/30/2004	81	5.95	6.3	M	6.4	16.0	--
FSW 575-M01-10P	8/30/2004	68	5.84	8.0	M	75.6	16.0	--
FSW 575-M01-11GN	8/30/2004	73	5.69	9.5	M	32.1	16.2	--
FSW 575-M01-12R	8/30/2004	69	5.64	9.6	M	34.5	14.9	--
FSW 575-M01-13BU	8/30/2004	73	5.62	9.8	M	5.6	14.9	--
FSW 575-M01-14BK	8/30/2004	71	5.63	9.2	M	10.3	14.8	--
FSW 575-M01-15W	8/30/2004	71	5.66	9.4	M	7.4	14.4	--
FSW 575-M02-01PT (44-19)	8/30/2004	29	5.75	11.2	M	0.6	16.3	0.38
FSW 575-M02-02GNT (44-19)	8/30/2004	45	5.79	10.5	M	1.3	16.1	0.47
FSW 575-M02-03RT (44-19)	8/30/2004	62	5.77	9.4	M	9.3	15.9	--
FSW 575-M02-04BUT (44-19)	8/30/2004	78	5.80	5.8	M	3.8	16.1	--
FSW 575-M02-05BKT (44-19)	8/30/2004	99	5.82	1.4	C	6.0	15.3	0.83
FSW 575-M02-06WT (44-19)	8/30/2004	115	5.97	0.06	C	0.2	15.7	--

Table 6. Field water-quality analyses for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Locations of wells and multilevel samplers are shown in figure 1. **Dissolved-oxygen method**: C, CHEMetrics colorimetric; M, meter. µS/cm, microsiemen per centimeter at 25 degrees Celsius; mg/L, milligram per liter; NTU, Nephelometric Turbidity Unit; meq/L, milliequivalents per liter; --, no data]

Well or multilevel-sampler port	Date	Specific conduct-ance (µS/cm)	pH (standard units)	Dissolved oxygen (mg/L)	Dissolved oxygen method	Turbidity (NTU)	Temper-ature (degrees Celsius)	Alkalinity (meq/L)
FSW 575-M02-07O (44-19)	8/30/2004	120	6.02	0.09	C	3.0	15.0	1.12
FSW 575-M02-08GY (44-19)	8/30/2004	122	6.11	0.06	C	2.4	16.0	--
FSW 575-M02-09Y (44-19)	8/30/2004	122	6.13	0.04	C	1.5	16.0	1.06
FSW 575-M02-10P (44-19)	8/30/2004	121	6.02	0.05	C	2.5	15.8	--
FSW 575-M02-11GN (44-19)	8/30/2004	124	6.05	0.06	C	3.5	15.2	1.55
FSW 575-M02-12R (44-19)	8/30/2004	127	6.08	0.07	C	7.3	14.9	--
FSW 575-M02-13BU (44-19)	8/30/2004	127	6.05	0.04	C	6.7	14.7	1.67
FSW 575-M02-14BK (44-19)	8/30/2004	137	6.04	0.04	C	3.4	15.2	--
FSW 575-M02-15W (44-19)	8/30/2004	143	6.03	2.5	M	5.0	16.8	1.09
FSW 577-0061	9/13/1995	469	5.78	0.20	M	--	14.9	--
FSW 577-0071	9/13/1995	489	6.05	0.30	M	--	14.3	--
FSW 577-0081	9/13/1995	440	6.11	0.15	M	--	13.8	--
FSW 577-0097	9/13/1995	371	6.25	0.30	C	--	13.5	--
FSW 577-0111	9/13/1995	221	6.00	0.90	C	--	13.6	--
FSW 577-0126	9/13/1995	117	5.83	0.90	M	--	13.4	--
FSW 577-0142	9/13/1995	83	5.84	9.9	M	--	12.1	--
FSW 577-0051	12/6/1995	402	5.51	2.70	M	3.1	11.3	--
FSW 577-0061	12/6/1995	393	5.67	0.07	C	1.3	11.0	--
FSW 577-0071	12/6/1995	449	5.89	0.07	C	1.9	11.1	--
FSW 577-0081	12/7/1995	470	6.18	0.08	C	8.4	11.4	--
FSW 577-0097	12/7/1995	434	6.40	0.09	C	6.3	11.5	--
FSW 577-0111	12/7/1995	442	5.76	0.10	M	1.3	11.4	--
FSW 577-0126	12/7/1995	121	5.79	0.11	M	2.4	11.1	--
FSW 577-0142	12/7/1995	79	5.69	9.6	M	2.1	11.0	--
FSW 577-0051	6/21/1996	169	5.72	4.1	M	8.3	13.6	--
FSW 577-0061	6/21/1996	505	5.66	0.50	C	4.3	13.8	--
FSW 577-0071	6/21/1996	420	5.92	0.10	C	7.4	13.7	--
FSW 577-0081	6/21/1996	406	6.23	0.15	C	4.7	11.6	--
FSW 577-0097	6/21/1996	388	6.38	0.80	C	6.1	10.3	--
FSW 577-0111	6/21/1996	210	6.30	0.25	C	9.5	10.4	--
FSW 577-0126	6/21/1996	93	5.84	9.5	M	13.8	10.2	--
FSW 577-0142	6/21/1996	59	5.73	10.6	M	5.8	10.6	--
FSW 577-0051	11/19/1996	279	5.86	0.03	C	4.4	12.8	--
FSW 577-0061	11/19/1996	177	5.72	2.5	M	1.7	12.4	--
FSW 577-0071	11/19/1996	187	6.31	0.12	C	12.8	12.6	--
FSW 577-0081	11/19/1996	403	6.16	0.02	C	4.3	13.2	--

Table 6. Field water-quality analyses for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Locations of wells and multilevel samplers are shown in figure 1. **Dissolved-oxygen method**: C, CHEMetrics colorimetric; M, meter. µS/cm, microsiemen per centimeter at 25 degrees Celsius; mg/L, milligram per liter; NTU, Nephelometric Turbidity Unit; meq/L, milliequivalents per liter; --, no data]

Well or multilevel-sampler port	Date	Specific conduct-ance (µS/cm)	pH (standard units)	Dissolved oxygen (mg/L)	Dissolved oxygen method	Turbidity (NTU)	Temper-ature (degrees Celsius)	Alkalinity (meq/L)
FSW 577-0097	11/19/1996	330	6.04	0.06	C	2.0	13.1	--
FSW 577-0111	11/19/1996	88	6.13	6.5	M	7.4	12.1	--
FSW 577-0126	11/19/1996	90	5.59	10.4	M	0.9	11.2	--
FSW 577-0142	11/19/1996	71	5.73	9.7	M	3.6	11.8	--
FSW 577-0051	2/28/1997	128	5.74	4.4	M	4.3	12.7	--
FSW 577-0061	2/28/1997	205	5.80	0.16	C	2.4	12.5	--
FSW 577-0071	2/28/1997	312	6.00	0.10	C	2.1	12.3	--
FSW 577-0081	2/28/1997	192	6.36	0.30	C	5.1	12.7	--
FSW 577-0097	2/28/1997	195	6.16	0.10	C	2.4	12.6	--
FSW 577-0111	2/28/1997	80	6.11	6.2	M	6.4	12.1	--
FSW 577-0126	2/27/1997	64	5.71	10.0	M	1.3	12.7	--
FSW 577-0142	2/27/1997	82	5.58	11.0	M	1.4	12.2	--
FSW 577-0051	5/29/1997	152	5.77	4.7	M	2.0	14.2	--
FSW 577-0061	5/29/1997	415	5.74	0.16	C	0.8	13.9	--
FSW 577-0071	5/29/1997	223	6.19	0.31	C	3.3	14.0	--
FSW 577-0081	5/29/1997	181	6.56	0.12	C	22.9	13.3	--
FSW 577-0097	5/29/1997	202	6.28	0.33	C	5.2	12.8	--
FSW 577-0111	5/29/1997	92	6.09	5.7	M	13.2	12.8	--
FSW 577-0126	5/29/1997	60	5.79	11.2	M	3.3	12.8	--
FSW 577-0142	5/29/1997	75	5.63	11.1	M	1.2	12.4	--
FSW 577-0051	8/25/1997	114	5.78	4.8	M	7.0	12.7	--
FSW 577-0061	8/25/1997	172	5.89	0.80	C	3.5	12.7	--
FSW 577-0071	8/25/1997	195	6.18	0.05	C	11.9	13.7	--
FSW 577-0081	8/25/1997	193	6.36	0.05	C	12.9	14.0	--
FSW 577-0097	8/25/1997	178	6.27	0.11	C	18.7	13.4	--
FSW 577-0111	8/25/1997	85	5.97	5.4	M	47.1	13.1	--
FSW 577-0126	8/25/1997	59	5.67	10.9	C	20.2	12.9	--
FSW 577-0142	8/25/1997	74	5.79	9.9	M	27.6	12.9	--
FSW 577-0051	11/13/1997	130	5.82	3.1	M	4.0	8.3	--
FSW 577-0061	11/13/1997	177	6.02	0.32	C	10.7	8.5	--
FSW 577-0071	11/13/1997	190	6.31	0.52	C	17.9	8.8	--
FSW 577-0081	11/13/1997	173	6.47	0.38	C	10.1	9.0	--
FSW 577-0097	11/13/1997	164	6.50	0.51	C	21.6	9.2	--
FSW 577-0111	11/13/1997	92	6.09	7.3	M	26.6	9.8	--
FSW 577-0126	11/13/1997	63	5.92	11.0	M	11.4	9.9	--
FSW 577-0142	11/13/1997	74	5.81	11.4	M	6.5	9.8	--

Table 6. Field water-quality analyses for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Locations of wells and multilevel samplers are shown in figure 1. **Dissolved-oxygen method**: C, CHEMetrics colorimetric; M, meter. µS/cm, microsiemen per centimeter at 25 degrees Celsius; mg/L, milligram per liter; NTU, Nephelometric Turbidity Unit; meq/L, milliequivalents per liter; --, no data]

Well or multilevel-sampler port	Date	Specific conductance (µS/cm)	pH (standard units)	Dissolved oxygen (mg/L)	Dissolved oxygen method	Turbidity (NTU)	Temperature (degrees Celsius)	Alkalinity (meq/L)
FSW 577-0051	6/18/1998	99	5.84	3.4	M	5.4	15.0	0.09
FSW 577-0061	6/18/1998	223	6.04	0.29	C	5.4	15.9	0.55
FSW 577-0071	6/18/1998	185	6.29	0.30	C	3.7	16.6	--
FSW 577-0081	6/18/1998	186	6.39	0.23	C	15.0	15.4	0.79
FSW 577-0097	6/18/1998	171	6.45	0.39	C	12.7	16.1	--
FSW 577-0111	6/18/1998	131	5.96	0.84	C	13.8	16.2	--
FSW 577-0126	6/18/1998	62	5.82	9.0	M	5.8	16.6	0.07
FSW 577-0142	6/18/1998	72	5.78	9.5	M	2.3	16.2	--
FSW 577-0051	11/17/1998	116	5.96	2.6	M	5.0	10.4	--
FSW 577-0061	11/17/1998	254	6.26	0.14	C	4.4	10.6	--
FSW 577-0071	11/17/1998	208	6.48	0.16	C	3.2	10.9	0.92
FSW 577-0081	11/17/1998	217	6.49	0.18	C	24.3	11.1	--
FSW 577-0097	11/17/1998	240	6.50	0.29	C	3.9	10.9	0.57
FSW 577-0111	11/17/1998	128	6.07	0.23	C	2.9	10.8	0.14
FSW 577-0126	11/17/1998	73	6.12	10.4	M	5.3	10.8	--
FSW 577-0142	11/17/1998	83	6.01	10.9	M	4.0	10.4	0.08
FSW 577-0051	6/30/1999	106	5.63	3.5	M	1.2	13.8	0.05
FSW 577-0061	6/30/1999	151	6.11	0.28	C	2.5	13.6	0.53
FSW 577-0071	6/30/1999	164	6.21	0.18	C	1.2	13.2	0.69
FSW 577-0081	6/30/1999	185	6.18	0.55	C	3.2	13.7	0.77
FSW 577-0097	6/30/1999	202	6.19	0.19	C	2.6	13.0	0.33
FSW 577-0111	6/30/1999	96	5.93	1.9	M	4.1	15.5	0.10
FSW 577-0126	6/30/1999	58	5.84	10.9	M	1.6	13.7	0.07
FSW 577-0142	6/30/1999	70	5.84	10.8	M	0.8	14.2	0.10
FSW 577-0051	6/23/2000	76	5.64	6.1	M	1.7	13.4	--
FSW 577-0061	6/23/2000	159	6.07	0.19	C	1.7	14.2	--
FSW 577-0071	6/23/2000	155	6.07	0.16	C	0.9	13.3	0.83
FSW 577-0081	6/23/2000	157	6.01	0.15	C	3.2	12.7	0.90
FSW 577-0097	6/23/2000	181	6.02	0.15	C	0.8	12.8	0.52
FSW 577-0111	6/23/2000	71	5.84	3.0	M	1.8	12.3	0.09
FSW 577-0126	6/22/2000	49	5.83	11.6	M	2.1	12.6	0.09
FSW 577-0142	6/22/2000	58	5.82	11.9	M	1.8	14.8	0.08
FSW 577-0051	8/15/2002	79	5.65	9.8	M	6.4	14.2	0.06
FSW 577-0061	8/15/2002	118	6.05	0.25	C	2.1	14.2	0.38
FSW 577-0071	8/15/2002	119	6.01	0.20	C	1.0	14.9	0.40

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Well or multilevel-sampler port	Date	Specific conduct-ance (µS/cm)	pH (standard units)	Dissolved oxygen (mg/L)	Dissolved oxygen method	Turbidity (NTU)	Temper-ature (degrees Celsius)	Alkalinity (meq/L)
FSW 577-0081	8/15/2002	151	5.92	0.14	C	0.1	14.3	0.22
FSW 577-0097	8/15/2002	148	5.95	0.25	C	2.2	14.5	0.18
FSW 577-0111	8/15/2002	83	5.73	4.6	M	1.0	13.4	0.06
FSW 577-0126	8/15/2002	78	5.77	11.6	M	0.8	13.9	0.06
FSW 577-0142	8/15/2002	70	5.83	12.0	M	1.6	13.7	0.08
FSW 577-0051	8/2/2004	64	5.51	7.6	M	1.5	13.2	0.03
FSW 577-0061	8/2/2004	110	5.84	0.12	C	2.4	13.0	0.21
FSW 577-0071	8/2/2004	125	5.81	0.15	C	0.3	13.1	0.29
FSW 577-0081	8/2/2004	131	5.84	0.23	C	1.7	12.6	0.41
FSW 577-0097	8/2/2004	181	5.83	0.09	C	1.8	12.6	1.00
FSW 577-0111	8/2/2004	196	5.40	7.2	M	0.2	12.4	0.06
FSW 577-0126	8/2/2004	150	5.57	10.7	M	0.6	15.2	0.29
FSW 577-0142	8/2/2004	64	5.84	10.9	M	0.5	12.7	0.45
FSW 586-0058	6/15/1996	145	5.95	1.9	M	4.5	12.7	--
FSW 586-0068	6/15/1996	460	5.87	0.15	C	2.6	12.5	--
FSW 586-0078	6/15/1996	431	6.38	0.15	C	1.2	12.7	--
FSW 586-0088	6/15/1996	399	6.56	0.15	C	0.9	12.7	--
FSW 586-0098	6/15/1996	390	6.44	0.04	C	1.0	12.7	--
FSW 586-0113	6/15/1996	370	6.04	0.05	C	0.3	12.1	--
FSW 586-0128	6/15/1996	130	5.83	4.6	M	0.4	11.7	--
FSW 586-0143	6/15/1996	63	5.70	10.4	M	2.8	11.4	--
FSW 586-0058	11/22/1996	267	5.68	0.27	M	7.4	11.0	--
FSW 586-0068	11/22/1996	467	5.84	0.35	M	29.5	11.2	--
FSW 586-0078	11/22/1996	447	6.12	0.30	M	9.9	11.1	--
FSW 586-0088	11/22/1996	410	6.25	0.21	M	2.5	10.4	--
FSW 586-0098	11/22/1996	402	6.29	0.20	M	2.3	9.9	--
FSW 586-0113	11/22/1996	199	6.13	0.23	C	2.0	9.9	--
FSW 586-0128	11/22/1996	63	5.98	9.7	M	6.3	9.9	--
FSW 586-0143	11/22/1996	90	5.61	10.2	M	1.9	10.0	--
FSW 586-0058	3/6/1997	173	5.76	2.1	M	1.1	12.8	--
FSW 586-0068	3/6/1997	264	6.08	0.30	C	3.0	13.5	--
FSW 586-0078	3/6/1997	292	6.33	0.23	C	2.6	13.5	--
FSW 586-0088	3/6/1997	375	6.32	0.41	M	2.6	12.8	--
FSW 586-0098	3/6/1997	182	6.50	0.27	C	2.1	11.8	--
FSW 586-0113	3/6/1997	123	6.09	0.20	C	1.0	11.8	--
FSW 586-0128	3/6/1997	59	5.81	10.7	M	2.5	11.6	--

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Well or multilevel-sampler port	Date	Specific conduct-ance (µS/cm)	pH (standard units)	Dissolved oxygen (mg/L)	Dissolved oxygen method	Turbidity (NTU)	Temper-ature (degrees Celsius)	Alkalinity (meq/L)
FSW 586-0143	3/6/1997	89	--	7.6	M	8.8	--	--
FSW 586-0058	6/10/1997	192	5.71	1.4	M	21.7	14.7	--
FSW 586-0068	6/10/1997	262	6.07	0.20	C	16.8	14.4	--
FSW 586-0078	6/10/1997	272	6.27	0.21	C	4.5	14.6	--
FSW 586-0088	6/10/1997	261	6.47	0.26	C	10.8	15.3	--
FSW 586-0098	6/10/1997	183	6.41	0.16	C	2.7	14.3	--
FSW 586-0113	6/10/1997	116	6.16	0.29	C	3.5	14.5	--
FSW 586-0128	6/10/1997	58	5.74	10.3	M	1.7	13.6	--
FSW 586-0143	6/10/1997	84	5.63	9.2	M	1.6	13.4	--
FSW 586-0058	8/26/1997	136	5.89	4.3	M	4.6	13.9	--
FSW 586-0068	8/26/1997	369	5.92	0.07	C	1.6	13.2	--
FSW 586-0078	8/26/1997	277	6.25	0.14	C	1.0	14.0	--
FSW 586-0088	8/26/1997	192	6.52	0.09	C	4.6	14.6	--
FSW 586-0098	8/26/1997	185	6.50	0.55	C	2.4	14.9	--
FSW 586-0113	8/26/1997	121	6.17	0.05	C	2.4	14.6	--
FSW 586-0128	8/26/1997	58	5.81	9.4	M	18.3	14.3	--
FSW 586-0143	8/26/1997	83	5.58	10.0	M	1.6	12.6	--
FSW 586-0068	11/6/1997	194	5.97	0.21	C	14.4	11.5	--
FSW 586-0058	11/6/1997	165	5.70	3.5	M	4.6	11.6	--
FSW 586-0078	11/6/1997	246	6.20	0.28	C	73.5	11.3	--
FSW 586-0088	11/6/1997	151	6.32	0.40	C	20.6	11.7	--
FSW 586-0098	11/7/1997	178	6.29	0.39	C	6.0	11.3	--
FSW 586-0113	11/7/1997	97	6.16	1.9	M	3.7	11.4	--
FSW 586-0128	11/7/1997	59	5.76	10.1	M	6.7	11.3	--
FSW 586-0143	11/7/1997	80	5.57	10.9	M	4.2	11.3	--
FSW 586-0058	7/9/1998	145	5.67	0.64	C	25.6	13.2	0.14
FSW 586-0068	7/9/1998	160	6.00	0.20	C	34.3	13.3	0.67
FSW 586-0078	7/9/1998	167	6.27	0.36	C	21.0	14.3	0.78
FSW 586-0088	7/9/1998	158	6.44	0.30	C	19.8	13.7	0.42
FSW 586-0098	7/9/1998	163	6.45	0.41	C	16.6	13.9	0.29
FSW 586-0113	7/9/1998	85	6.11	1.9	M	13.2	13.9	0.16
FSW 586-0128	7/9/1998	63	5.74	10.0	M	8.5	12.7	0.06
FSW 586-0143	7/9/1998	72	5.86	10.2	M	2.5	13.0	0.12
FSW 586-0058	11/19/1998	126	5.78	2.1	M	2.5	--	--
FSW 586-0068	11/19/1998	235	5.96	0.25	C	2.6	11.0	--

Table 6. Field water-quality analyses for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Locations of wells and multilevel samplers are shown in figure 1. **Dissolved-oxygen method**: C, CHEMetrics colorimetric; M, meter. µS/cm, microsiemen per centimeter at 25 degrees Celsius; mg/L, milligram per liter; NTU, Nephelometric Turbidity Unit; meq/L, milliequivalents per liter; --, no data]

Well or multilevel-sampler port	Date	Specific conduct-ance (µS/cm)	pH (standard units)	Dissolved oxygen (mg/L)	Dissolved oxygen method	Turbidity (NTU)	Temper-ature (degrees Celsius)	Alkalinity (meq/L)
FSW 586-0078	11/19/1998	228	6.27	0.31	C	5.8	10.9	--
FSW 586-0088	11/19/1998	197	6.45	0.17	C	8.7	11.3	--
FSW 586-0098	11/19/1998	196	6.52	0.34	C	4.1	10.8	--
FSW 586-0113	11/19/1998	183	6.00	0.52	C	0.8	11.1	--
FSW 586-0128	11/19/1998	95	5.68	10.3	M	0.8	11.0	--
FSW 586-0143	11/19/1998	88	5.73	11.1	M	0.8	11.1	--
FSW 586-0058	7/12/1999	125	5.68	0.85	M	2.3	12.9	--
FSW 586-0068	7/12/1999	177	6.03	0.09	C	1.5	12.6	--
FSW 586-0078	7/12/1999	212	6.17	0.11	C	2.4	12.5	--
FSW 586-0088	7/12/1999	187	6.35	0.14	C	3.0	12.7	--
FSW 586-0098	7/12/1999	192	6.25	0.13	C	15.5	12.8	--
FSW 586-0113	7/12/1999	144	5.89	0.18	C	1.0	12.8	--
FSW 586-0128	7/12/1999	69	5.71	10.5	M	0.6	12.4	--
FSW 586-0143	7/12/1999	72	5.70	11.2	M	0.7	12.5	--
FSW 586-0058	6/21/2000	86	5.71	0.27	C	0.8	13.1	0.14
FSW 586-0068	6/21/2000	150	6.05	0.10	C	1.7	13.0	0.82
FSW 586-0078	6/21/2000	160	6.10	0.14	C	1.8	13.6	0.62
FSW 586-0088	6/21/2000	187	6.15	0.51	C	0.9	14.2	0.86
FSW 586-0098	6/21/2000	159	6.24	0.32	C	2.6	14.1	0.37
FSW 586-0113	6/21/2000	91	5.96	5.8	M	1.8	15.1	0.12
FSW 586-0128	6/21/2000	49	5.70	10.1	M	1.3	12.5	0.05
FSW 586-0143	6/21/2000	57	5.66	10.1	M	2.7	12.4	0.11
FSW 586-0058	7/31/2002	108	5.60	0.92	C	0.7	14.4	0.20
FSW 586-0068	7/31/2002	154	6.06	0.09	C	1.1	13.2	0.55
FSW 586-0078	7/31/2002	128	5.92	0.15	C	0.4	12.7	0.40
FSW 586-0088	7/31/2002	179	5.94	0.10	C	0.6	16.1	0.22
FSW 586-0098	7/31/2002	199	5.88	0.06	C	0.6	13.5	0.15
FSW 586-0113	7/31/2002	70	5.88	0.56	C	0.6	13.4	0.09
FSW 586-0128	7/31/2002	71	5.70	12.2	M	0.7	15.4	0.04
FSW 586-0143	7/31/2002	69	5.68	13.2	M	0.9	14.0	0.08
FSW 586-0058	8/2/2004	95	5.71	1.8	C	1.3	11.8	0.14
FSW 586-0068	8/2/2004	133	6.17	0.14	C	1.1	12.0	0.50
FSW 586-0078	8/2/2004	113	5.94	0.21	C	0.4	12.4	0.43
FSW 586-0088	8/2/2004	136	6.11	0.20	C	0.6	12.0	0.36
FSW 586-0098	8/2/2004	125	6.07	0.11	C	0.2	12.0	0.27
FSW 586-0113	8/2/2004	163	5.67	1.0	C	0.2	11.9	0.10

Table 6. Field water-quality analyses for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Locations of wells and multilevel samplers are shown in figure 1. **Dissolved-oxygen method**: C, CHEMetrics colorimetric; M, meter. µS/cm, microsiemen per centimeter at 25 degrees Celsius; mg/L, milligram per liter; NTU, Nephelometric Turbidity Unit; meq/L, milliequivalents per liter; --, no data]

Well or multilevel-sampler port	Date	Specific conductance (µS/cm)	pH (standard units)	Dissolved oxygen (mg/L)	Dissolved oxygen method	Turbidity (NTU)	Temperature (degrees Celsius)	Alkalinity (meq/L)
FSW 586-0128	8/2/2004	105	5.67	10.9	M	0.2	11.9	0.03
FSW 586-0143	8/2/2004	70	5.72	11.7	M	0.2	11.9	0.07
SDW 436-M01-01PT	7/12/2002	--	--	--	--	--	--	--
SDW 436-M01-02GNT	7/12/2002	104	5.43	7.8	M	0.5	15.0	--
SDW 436-M01-03RT	7/12/2002	114	5.42	6.1	M	0.6	13.4	--
SDW 436-M01-04BUT	7/12/2002	122	5.68	5.0	M	0.4	14.3	--
SDW 436-M01-05BKT	7/12/2002	91	5.67	5.3	M	0.3	14.4	--
SDW 436-M01-06WT	7/12/2002	90	5.49	4.7	M	0.6	14.5	--
SDW 436-M01-07O	7/12/2002	92	5.49	0.05	C	0.5	14.1	--
SDW 436-M01-08GY	7/12/2002	118	5.70	0.11	C	0.5	14.3	--
SDW 436-M01-09Y	7/12/2002	143	6.01	0.06	C	0.5	13.8	--
SDW 436-M01-10P	7/12/2002	150	6.00	0.09	C	1.1	15.0	--
SDW 436-M01-11GN	7/12/2002	116	5.46	3.2	M	0.4	14.1	--
SDW 436-M01-12R	7/12/2002	84	5.48	8.5	M	0.6	15.1	--
SDW 436-M01-13BU	7/12/2002	58	5.55	8.8	M	0.3	14.8	--
SDW 436-M01-14BK	7/12/2002	68	5.94	9.6	M	1.1	14.7	--
SDW 436-M01-15W	7/12/2002	82	5.97	9.1	M	0.3	14.6	--
SDW 436-M01-01PT	5/27/2003	90	6.01	9.8	M	9.8	11.1	0.19
SDW 436-M01-02GNT	5/27/2003	108	5.29	8.9	M	3.1	11.3	0.02
SDW 436-M01-03RT	5/27/2003	120	5.46	7.3	M	2.8	11.6	0.09
SDW 436-M01-04BUT	5/27/2003	125	5.68	5.1	M	0.4	11.9	0.15
SDW 436-M01-05BKT	5/27/2003	127	5.59	5.2	M	0.2	11.8	0.13
SDW 436-M01-06WT	5/27/2003	95	5.50	5.7	M	0.6	12.0	0.09
SDW 436-M01-07O	5/27/2003	98	5.47	0.86	C	0.4	12.0	0.11
SDW 436-M01-08GY	5/27/2003	124	5.76	0.05	C	0.2	12.2	0.17
SDW 436-M01-09Y	5/27/2003	128	5.83	0.04	C	0.2	12.0	0.16
SDW 436-M01-10P	5/27/2003	172	5.75	0.07	C	0.1	12.1	0.14
SDW 436-M01-11GN	5/27/2003	158	5.19	6.8	M	0.7	11.8	--
SDW 436-M01-12R	5/27/2003	124	5.20	9.2	M	0.6	11.9	--
SDW 436-M01-13BU	5/27/2003	82	5.15	9.1	M	1.0	11.7	--
SDW 436-M01-14BK	5/27/2003	69	5.81	10.0	M	0.4	11.8	--
SDW 436-M01-15W	5/27/2003	69	5.89	9.3	M	1.1	11.8	--
SDW 436-M01-01PT	8/26/2004	80	5.67	8.1	M	1.3	12.9	0.10
SDW 436-M01-02GNT	8/26/2004	96	5.42	6.8	M	1.5	12.7	0.10
SDW 436-M01-03RT	8/26/2004	89	5.44	6.2	M	3.9	11.7	0.09
SDW 436-M01-04BUT	8/26/2004	89	5.70	5.3	M	0.5	12.0	0.16
SDW 436-M01-05BKT	8/26/2004	82	5.64	6.4	M	0.5	12.4	0.07

Table 6. Field water-quality analyses for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Locations of wells and multilevel samplers are shown in figure 1. **Dissolved-oxygen method**: C, CHEMetrics colorimetric; M, meter. µS/cm, microsiemen per centimeter at 25 degrees Celsius; mg/L, milligram per liter; NTU, Nephelometric Turbidity Unit; meq/L, milliequivalents per liter; --, no data]

Well or multilevel-sampler port	Date	Specific conduct-ance (µS/cm)	pH (standard units)	Dissolved oxygen (mg/L)	Dissolved oxygen method	Turbidity (NTU)	Temper-ature (degrees Celsius)	Alkalinity (meq/L)
SDW 436-M01-06WT	8/26/2004	159	5.30	6.6	M	0.1	12.5	0.05
SDW 436-M01-07O	8/26/2004	116	5.37	3.6	M	0.1	12.2	0.08
SDW 436-M01-08GY	8/26/2004	123	5.67	0.04	C	0.6	12.8	0.18
SDW 436-M01-09Y	8/26/2004	133	5.77	0.04	C	0.2	12.8	0.15
SDW 436-M01-10P	8/26/2004	204	5.38	3.6	M	1.7	12.7	0.06
SDW 436-M01-11GN	8/26/2004	300	5.09	8.2	M	1.1	12.5	--
SDW 436-M01-12R	8/26/2004	200	5.08	9.3	M	1.4	12.6	--
SDW 436-M01-13BU	8/26/2004	157	5.07	9.5	M	0.9	12.9	--
SDW 436-M01-14BK	8/26/2004	147	5.60	9.9	M	1.6	13.3	--
SDW 436-M01-15W	8/26/2004	72	5.87	9.8	M	1.1	14.5	--
SDW 469-M01-01PT	9/27/1995	--	--	--	--	--	--	--
SDW 469-M01-02GNT	9/27/1995	469	5.20	4.6	M	--	--	--
SDW 469-M01-03RT	9/27/1995	457	5.42	3.8	M	--	--	--
SDW 469-M01-04BUT	9/27/1995	488	5.58	2.3	M	--	--	--
SDW 469-M01-05BKT	9/27/1995	393	5.55	1.1	M	--	--	--
SDW 469-M01-06WT	9/27/1995	353	5.57	0.20	C	--	--	--
SDW 469-M01-07O	9/27/1995	464	5.78	0.25	C	--	--	--
SDW 469-M01-08GY	9/27/1995	517	5.93	0.25	C	--	--	--
SDW 469-M01-09Y	9/27/1995	389	6.04	0.25	C	--	--	--
SDW 469-M01-10P	9/27/1995	388	5.98	0.30	C	--	--	--
SDW 469-M01-11GN	9/27/1995	482	5.85	0.30	C	--	--	--
SDW 469-M01-12R	9/27/1995	527	5.55	0.30	C	--	--	--
SDW 469-M01-13BU	9/27/1995	232	5.26	1.00	C	--	--	--
SDW 469-M01-14BK	9/27/1995	139	5.76	0.30	C	--	--	--
SDW 469-M01-15W	9/27/1995	103	5.58	1.0	C	--	--	--
SDW 469-M01-01PT	11/28/1995	--	--	--	--	--	--	--
SDW 469-M01-02GNT	11/28/1995	451	5.10	3.9	M	0.8	13.7	--
SDW 469-M01-03RT	11/28/1995	503	5.29	3.8	M	0.4	13.5	--
SDW 469-M01-04BUT	11/28/1995	407	5.54	0.70	C	0.6	13.1	--
SDW 469-M01-05BKT	11/28/1995	412	5.30	0.20	C	1.3	12.6	--
SDW 469-M01-06WT	11/28/1995	385	5.48	0.25	C	1.0	11.5	--
SDW 469-M01-07O	11/28/1995	379	5.67	0.25	C	1.0	10.8	--
SDW 469-M01-08GY	11/28/1995	373	5.88	0.30	C	0.8	10.7	--
SDW 469-M01-09Y	11/28/1995	428	5.86	0.30	C	0.5	10.6	--
SDW 469-M01-10P	11/28/1995	430	5.93	0.40	C	0.9	10.9	--
SDW 469-M01-11GN	11/28/1995	416	5.80	0.40	C	0.9	11.3	--
SDW 469-M01-12R	11/28/1995	429	5.47	0.40	C	0.7	11.6	--
SDW 469-M01-13BU	11/28/1995	336	5.20	0.30	C	0.3	11.9	--

Table 6. Field water-quality analyses for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Specific conductance (µS/cm)	pH (standard units)	Dissolved oxygen (mg/L)	Dissolved oxygen method	Turbidity (NTU)	Temperature (degrees Celsius)	Alkalinity (meq/L)
SDW 469-M01-14BK	11/28/1995	161	5.87	0.30	C	0.4	12.2	--
SDW 469-M01-15W	11/28/1995	111	5.81	0.60	C	0.4	--	--
SDW 469-M01-01PT	1/25/1996	--	--	--	--	--	--	--
SDW 469-M01-02GNT	1/25/1996	462	5.38	3.20	M	0.5	10.5	--
SDW 469-M01-03RT	1/25/1996	368	5.67	0.40	M	0.8	11.2	--
SDW 469-M01-04BUT	1/25/1996	423	5.60	0.20	C	0.6	12.5	--
SDW 469-M01-05BKT	1/25/1996	437	5.45	0.20	C	0.5	11.1	--
SDW 469-M01-06WT	1/25/1996	435	5.56	0.35	C	0.5	11.1	--
SDW 469-M01-07O	1/25/1996	424	5.82	0.30	C	0.9	9.7	--
SDW 469-M01-08GY	1/25/1996	396	6.07	0.35	C	1.3	9.6	--
SDW 469-M01-09Y	1/25/1996	385	6.08	0.60	C	0.7	8.4	--
SDW 469-M01-10P	1/25/1996	392	6.18	0.25	C	1.0	8.2	--
SDW 469-M01-11GN	1/25/1996	395	6.12	0.60	C	0.6	7.6	--
SDW 469-M01-12R	1/25/1996	393	5.95	0.40	C	0.5	7.0	--
SDW 469-M01-13BU	1/25/1996	285	5.50	0.60	C	0.3	8.1	--
SDW 469-M01-14BK	1/25/1996	114	6.07	0.20	C	0.3	8.7	--
SDW 469-M01-15W	1/25/1996	130	5.68	0.20	C	0.4	8.0	--
SDW 469-M01-01PT	3/21/1996	--	--	--	--	--	--	--
SDW 469-M01-02GNT	3/21/1996	286	5.61	2.9	M	4.1	13.2	--
SDW 469-M01-03RT	3/21/1996	318	5.71	0.40	C	0.6	13.7	--
SDW 469-M01-04BUT	3/21/1996	428	5.52	1.14	M	0.3	14.3	--
SDW 469-M01-05BKT	3/21/1996	451	5.43	0.40	C	1.0	14.0	--
SDW 469-M01-06WT	3/21/1996	406	5.62	0.40	C	0.6	14.3	--
SDW 469-M01-07O	3/21/1996	434	6.06	0.60	C	2.1	13.8	--
SDW 469-M01-08GY	3/21/1996	420	6.18	1.00	C	1.4	12.8	--
SDW 469-M01-09Y	3/21/1996	426	6.17	0.30	C	1.2	12.6	--
SDW 469-M01-10P	3/21/1996	442	6.17	0.60	C	1.3	12.2	--
SDW 469-M01-11GN	3/21/1996	416	6.08	1.00	C	1.4	11.9	--
SDW 469-M01-12R	3/21/1996	257	5.89	0.30	C	1.1	12.1	--
SDW 469-M01-13BU	3/21/1996	122	5.77	0.60	C	1.3	12.3	--
SDW 469-M01-14BK	3/21/1996	125	5.95	0.30	C	0.7	12.5	--
SDW 469-M01-15W	3/21/1996	60	5.81	7.3	M	1.3	13.0	--
SDW 469-M01-01PT	5/15/1996	179	5.72	4.9	M	13.5	13.2	--
SDW 469-M01-02GNT	5/15/1996	305	5.77	4.5	M	2.8	13.5	--
SDW 469-M01-03RT	5/15/1996	321	5.75	0.25	C	0.6	14.2	--
SDW 469-M01-04BUT	5/15/1996	424	5.62	0.20	C	0.6	14.7	--
SDW 469-M01-05BKT	5/15/1996	487	5.56	0.20	C	0.5	15.2	--

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Well or multilevel-sampler port	Date	Specific conductance (µS/cm)	pH (standard units)	Dissolved oxygen (mg/L)	Dissolved oxygen method	Turbidity (NTU)	Temperature (degrees Celsius)	Alkalinity (meq/L)
SDW 469-M01-06WT	5/15/1996	397	5.80	0.20	C	1.0	15.3	--
SDW 469-M01-07O	5/15/1996	437	6.21	0.30	C	2.6	15.2	--
SDW 469-M01-08GY	5/15/1996	455	6.21	0.30	C	0.9	14.9	--
SDW 469-M01-09Y	5/15/1996	275	6.27	0.25	C	1.2	14.5	--
SDW 469-M01-10P	5/15/1996	245	6.13	0.30	C	1.3	14.2	--
SDW 469-M01-11GN	5/15/1996	251	6.05	0.20	C	0.9	14.1	--
SDW 469-M01-12R	5/15/1996	139	5.95	0.15	C	1.3	13.9	--
SDW 469-M01-13BU	5/15/1996	104	5.69	0.20	C	0.5	13.7	--
SDW 469-M01-14BK	5/15/1996	86	5.89	1.0	C	1.0	13.6	--
SDW 469-M01-15W	5/15/1996	59	5.88	7.4	M	1.1	13.9	--
SDW 469-M01-01PT	7/25/1996	302	5.49	4.7	M	2.0	14.3	--
SDW 469-M01-02GNT	7/25/1996	185	5.84	2.1	M	7.0	14.6	--
SDW 469-M01-03RT	7/25/1996	223	5.68	0.25	C	1.2	14.8	--
SDW 469-M01-04BUT	7/25/1996	280	5.61	0.20	C	0.7	15.3	--
SDW 469-M01-05BKT	7/25/1996	299	5.81	0.20	C	0.6	15.5	--
SDW 469-M01-06WT	7/25/1996	296	5.89	0.20	C	1.5	16.1	--
SDW 469-M01-07O	7/25/1996	310	6.23	0.20	C	1.8	16.0	--
SDW 469-M01-08GY	7/25/1996	257	6.22	0.20	C	1.9	16.3	--
SDW 469-M01-09Y	7/25/1996	182	6.20	0.20	C	1.9	16.0	--
SDW 469-M01-10P	7/25/1996	162	5.96	0.20	C	0.8	16.1	--
SDW 469-M01-11GN	7/25/1996	147	6.04	0.20	C	1.6	16.4	--
SDW 469-M01-12R	7/25/1996	127	5.85	0.30	C	0.9	16.4	--
SDW 469-M01-13BU	7/25/1996	97	5.46	0.15	C	1.3	16.4	--
SDW 469-M01-14BK	7/25/1996	64	5.59	5.9	M	1.4	16.7	--
SDW 469-M01-15W	7/25/1996	64	5.68	6.7	M	1.4	18.2	--
SDW 469-M01-01PT	11/6/1996	123	5.65	3.8	M	2.7	12.7	--
SDW 469-M01-02GNT	11/6/1996	376	5.63	3.8	M	0.8	12.8	--
SDW 469-M01-03RT	11/6/1996	121	5.65	3.8	M	3.0	12.6	--
SDW 469-M01-04BUT	11/6/1996	214	5.70	0.40	C	1.1	12.3	--
SDW 469-M01-05BKT	11/6/1996	271	5.87	0.25	C	1.7	12.1	--
SDW 469-M01-06WT	11/6/1996	371	5.92	0.40	C	0.6	12.2	--
SDW 469-M01-07O	11/6/1996	242	6.19	0.80	C	1.6	12.2	--
SDW 469-M01-08GY	11/6/1996	230	6.12	1.00	C	1.1	12.2	--
SDW 469-M01-09Y	11/6/1996	180	5.91	0.80	C	1.1	12.1	--
SDW 469-M01-10P	11/6/1996	153	5.81	0.40	C	1.1	12.2	--
SDW 469-M01-11GN	11/6/1996	152	5.85	0.30	C	1.6	12.2	--
SDW 469-M01-12R	11/6/1996	121	5.77	0.60	C	0.7	12.2	--
SDW 469-M01-13BU	11/6/1996	86	5.49	0.80	C	1.2	12.2	--

Table 6. Field water-quality analyses for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Locations of wells and multilevel samplers are shown in figure 1. **Dissolved-oxygen method**: C, CHEMetrics colorimetric; M, meter. µS/cm, microsiemen per centimeter at 25 degrees Celsius; mg/L, milligram per liter; NTU, Nephelometric Turbidity Unit; meq/L, milliequivalents per liter; --, no data]

Well or multilevel-sampler port	Date	Specific conductance (µS/cm)	pH (standard units)	Dissolved oxygen (mg/L)	Dissolved oxygen method	Turbidity (NTU)	Temperature (degrees Celsius)	Alkalinity (meq/L)
SDW 469-M01-14BK	11/6/1996	62	5.93	6.2	M	1.1	12.2	--
SDW 469-M01-15W	11/6/1996	78	5.86	8.3	M	0.9	12.2	--
SDW 469-M01-01PT	2/3/1997	188	5.74	5.9	M	10.0	10.5	--
SDW 469-M01-02GNT	2/3/1997	147	5.86	4.2	M	6.3	10.8	--
SDW 469-M01-03RT	2/3/1997	175	5.61	0.13	M	2.4	10.6	--
SDW 469-M01-04BUT	2/3/1997	161	5.82	0.13	M	3.0	10.9	--
SDW 469-M01-05BKT	2/3/1997	243	5.87	0.12	C	1.5	10.6	--
SDW 469-M01-06WT	2/3/1997	252	6.01	0.12	C	1.9	10.7	--
SDW 469-M01-07O	2/3/1997	276	6.05	0.21	C	1.8	10.3	--
SDW 469-M01-08GY	2/3/1997	199	6.02	0.10	C	2.1	10.6	--
SDW 469-M01-09Y	2/3/1997	157	5.90	0.19	C	1.6	10.2	--
SDW 469-M01-10P	2/3/1997	132	5.82	0.15	C	1.6	10.5	--
SDW 469-M01-11GN	2/3/1997	156	5.87	0.23	C	1.6	10.1	--
SDW 469-M01-12R	2/3/1997	142	5.70	0.23	C	1.3	10.2	--
SDW 469-M01-13BU	2/3/1997	87	5.58	0.20	C	1.2	10.2	--
SDW 469-M01-14BK	2/3/1997	67	5.67	6.4	M	1.3	10.3	--
SDW 469-M01-15W	2/3/1997	78	5.70	8.2	M	1.0	10.1	--
SDW 469-M01-01PT	5/12/1997	128	5.99	7.8	M	14.8	11.7	--
SDW 469-M01-02GNT	5/12/1997	141	5.86	5.9	M	2.7	11.3	--
SDW 469-M01-03RT	5/12/1997	140	5.74	0.81	C	3.2	12.9	--
SDW 469-M01-04BUT	5/12/1997	145	5.88	0.12	C	1.6	12.6	--
SDW 469-M01-05BKT	5/12/1997	169	5.97	0.12	C	1.4	12.9	--
SDW 469-M01-06WT	5/12/1997	180	6.03	0.22	C	1.1	13.2	--
SDW 469-M01-07O	5/12/1997	191	6.14	0.18	C	1.2	13.1	--
SDW 469-M01-08GY	5/12/1997	161	6.05	0.15	C	0.8	13.5	--
SDW 469-M01-09Y	5/12/1997	141	5.92	0.14	C	0.6	13.5	--
SDW 469-M01-10P	5/12/1997	137	5.88	0.18	C	0.6	13.8	--
SDW 469-M01-11GN	5/12/1997	152	5.87	0.27	C	0.7	14.5	--
SDW 469-M01-12R	5/12/1997	157	5.71	0.19	C	0.5	14.6	--
SDW 469-M01-13BU	5/12/1997	88	5.61	0.33	C	0.6	13.8	--
SDW 469-M01-14BK	5/12/1997	69	5.73	6.4	M	0.5	15.3	--
SDW 469-M01-15W	5/12/1997	86	5.79	8.2	M	1.2	14.6	--
SDW 469-M01-01PT	8/5/1997	136	5.96	5.7	M	7.4	13.4	--
SDW 469-M01-02GNT	8/5/1997	435	5.48	5.8	M	1.0	12.5	--
SDW 469-M01-03RT	8/5/1997	229	5.60	2.0	M	1.6	13.3	--
SDW 469-M01-04BUT	8/5/1997	121	5.90	0.07	C	2.0	13.1	--
SDW 469-M01-05BKT	8/5/1997	138	5.92	0.07	C	1.9	13.3	--

Table 6. Field water-quality analyses for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Locations of wells and multilevel samplers are shown in figure 1. **Dissolved-oxygen method**: C, CHEMetrics colorimetric; M, meter. µS/cm, microsiemen per centimeter at 25 degrees Celsius; mg/L, milligram per liter; NTU, Nephelometric Turbidity Unit; meq/L, milliequivalents per liter; --, no data]

Well or multilevel-sampler port	Date	Specific conductance (µS/cm)	pH (standard units)	Dissolved oxygen (mg/L)	Dissolved oxygen method	Turbidity (NTU)	Temperature (degrees Celsius)	Alkalinity (meq/L)
SDW 469-M01-06WT	8/5/1997	140	5.93	0.12	C	1.0	13.6	--
SDW 469-M01-07O	8/5/1997	174	6.11	0.05	C	1.0	13.6	--
SDW 469-M01-08GY	8/5/1997	152	5.97	0.08	C	0.9	13.7	--
SDW 469-M01-09Y	8/5/1997	151	6.09	0.18	C	0.9	13.7	--
SDW 469-M01-10P	8/5/1997	172	5.89	0.09	C	1.0	14.3	--
SDW 469-M01-11GN	8/5/1997	146	5.86	0.19	C	1.1	13.9	--
SDW 469-M01-12R	8/5/1997	147	5.83	0.18	C	1.0	14.4	--
SDW 469-M01-13BU	8/5/1997	135	5.58	0.10	C	0.8	14.3	--
SDW 469-M01-14BK	8/5/1997	60	5.74	7.1	M	0.9	14.5	--
SDW 469-M01-15W	8/5/1997	92	5.83	7.5	M	1.1	15.0	--
SDW 469-M01-01PT	10/27/1997	137	6.07	5.6	M	3.9	14.9	--
SDW 469-M01-02GNT	10/27/1997	122	5.84	4.5	M	2.1	14.0	--
SDW 469-M01-03RT	10/27/1997	112	5.97	2.2	M	3.9	14.7	--
SDW 469-M01-04BUT	10/27/1997	128	5.91	0.15	C	1.5	13.7	--
SDW 469-M01-05BKT	10/27/1997	138	6.08	0.64	C	1.0	14.2	--
SDW 469-M01-06WT	10/27/1997	145	5.94	0.22	C	0.6	14.2	--
SDW 469-M01-07O	10/27/1997	151	6.29	0.31	C	0.7	14.7	--
SDW 469-M01-08GY	10/27/1997	147	5.99	0.26	C	0.4	14.0	--
SDW 469-M01-09Y	10/27/1997	145	5.90	0.41	C	0.2	14.2	--
SDW 469-M01-10P	10/27/1997	142	6.06	0.53	C	0.8	15.3	--
SDW 469-M01-11GN	10/27/1997	140	5.93	0.34	C	0.9	14.3	--
SDW 469-M01-12R	10/27/1997	135	5.91	1.46	M	0.7	15.9	--
SDW 469-M01-13BU	10/27/1997	118	5.81	0.09	C	0.5	14.3	--
SDW 469-M01-14BK	10/27/1997	57	5.98	8.1	M	0.7	14.9	--
SDW 469-M01-15W	10/27/1997	91	5.95	8.1	M	0.4	15.0	--
SDW 469-M01-01PT	5/7/1998	104	5.88	9.4	M	7.6	10.3	--
SDW 469-M01-02GNT	5/7/1998	134	5.66	5.6	M	1.8	10.7	--
SDW 469-M01-03RT	5/7/1998	198	5.60	1.7	M	2.3	11.2	--
SDW 469-M01-04BUT	5/7/1998	152	5.76	0.10	C	1.5	11.6	--
SDW 469-M01-05BKT	5/7/1998	147	5.78	0.07	C	2.3	11.9	--
SDW 469-M01-06WT	5/7/1998	147	5.82	0.15	C	1.5	12.1	--
SDW 469-M01-07O	5/7/1998	154	5.92	0.11	C	1.5	12.0	--
SDW 469-M01-08GY	5/7/1998	133	5.75	0.11	C	1.4	11.9	--
SDW 469-M01-09Y	5/7/1998	146	5.78	0.12	C	1.2	11.9	--
SDW 469-M01-10P	5/7/1998	159	5.80	0.13	C	1.0	11.9	--
SDW 469-M01-11GN	5/7/1998	152	5.80	0.07	C	1.1	11.8	--
SDW 469-M01-12R	5/7/1998	102	5.72	0.14	C	1.2	11.7	--
SDW 469-M01-13BU	5/7/1998	83	5.88	0.05	C	2.2	11.8	--

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[Locations of wells and multilevel samplers are shown in figure 1. **Dissolved-oxygen method**: C, CHEMetrics colorimetric; M, meter. µS/cm, microsiemen per centimeter at 25 degrees Celsius; mg/L, milligram per liter; NTU, Nephelometric Turbidity Unit; meq/L, milliequivalents per liter; --, no data]

Well or multilevel-sampler port	Date	Specific conductance (µS/cm)	pH (standard units)	Dissolved oxygen (mg/L)	Dissolved oxygen method	Turbidity (NTU)	Temperature (degrees Celsius)	Alkalinity (meq/L)
SDW 469-M01-14BK	5/7/1998	58	5.72	7.9	M	2.6	11.9	--
SDW 469-M01-15W	5/7/1998	89	5.87	8.5	M	1.2	12.4	--
SDW 469-M01-01PT	10/29/1998	131	5.98	7.2	M	5.1	11.7	--
SDW 469-M01-02GNT	10/29/1998	151	5.74	6.7	M	2.2	11.9	--
SDW 469-M01-03RT	10/29/1998	136	5.91	2.9	M	5.2	11.6	--
SDW 469-M01-04BUT	10/29/1998	173	5.84	0.72	C	2.3	11.2	--
SDW 469-M01-05BKT	10/29/1998	232	5.83	0.06	C	1.6	11.2	--
SDW 469-M01-06WT	10/29/1998	213	5.88	0.06	C	1.5	11.3	--
SDW 469-M01-07O	10/29/1998	193	6.05	0.04	C	1.3	11.2	--
SDW 469-M01-08GY	10/29/1998	162	5.87	0.06	C	1.2	11.2	--
SDW 469-M01-09Y	10/29/1998	179	5.92	0.07	C	1.3	11.4	--
SDW 469-M01-10P	10/29/1998	185	5.94	0.06	C	1.1	11.4	--
SDW 469-M01-11GN	10/29/1998	190	5.98	0.16	C	1.6	11.5	--
SDW 469-M01-12R	10/29/1998	203	5.68	0.11	C	1.2	11.3	--
SDW 469-M01-13BU	10/29/1998	94	6.00	0.11	C	--	11.5	--
SDW 469-M01-14BK	10/29/1998	75	5.78	8.4	M	1.6	11.5	--
SDW 469-M01-15W	10/29/1998	106	5.93	8.5	M	2.3	11.4	--
SDW 469-M01-01PT	7/1/1999	119	5.93	7.8	M	5.6	12.9	--
SDW 469-M01-02GNT	7/1/1999	108	5.65	5.6	M	3.3	12.8	0.07
SDW 469-M01-03RT	7/1/1999	120	5.77	1.7	M	3.4	12.7	0.17
SDW 469-M01-04BUT	7/1/1999	143	5.67	0.23	C	2.6	13.2	0.23
SDW 469-M01-05BKT	7/1/1999	138	5.80	0.13	C	4.2	13.1	0.31
SDW 469-M01-06WT	7/1/1999	131	5.85	0.15	C	6.2	13.6	0.30
SDW 469-M01-07O	7/1/1999	139	5.95	0.11	C	1.9	13.4	0.40
SDW 469-M01-08GY	7/1/1999	116	5.77	0.10	C	1.8	13.7	0.32
SDW 469-M01-09Y	7/1/1999	143	5.85	0.35	C	2.3	13.3	0.26
SDW 469-M01-10P	7/1/1999	160	5.92	0.36	C	3.1	13.4	0.19
SDW 469-M01-11GN	7/1/1999	154	5.87	0.41	C	4.0	13.5	0.20
SDW 469-M01-12R	7/1/1999	161	5.73	0.49	C	4.2	13.7	0.08
SDW 469-M01-13BU	7/1/1999	105	5.76	0.30	C	6.7	13.7	--
SDW 469-M01-14BK	7/1/1999	76	5.67	8.3	M	7.9	13.8	--
SDW 469-M01-15W	7/1/1999	84	5.92	7.8	M	2.8	14.2	--
SDW 469-M01-01PT	5/24/2000	81	5.81	11.9	M	26	11.2	--
SDW 469-M01-02GNT	5/24/2000	92	5.50	10.7	M	1.7	11.8	0.05
SDW 469-M01-03RT	5/24/2000	112	5.66	4.4	M	2.1	11.8	--
SDW 469-M01-04BUT	5/24/2000	109	5.67	0.17	C	1.4	11.8	0.18
SDW 469-M01-05BKT	5/24/2000	124	5.76	0.16	C	2.7	11.7	0.31

Table 6. Field water-quality analyses for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Specific conductance (µS/cm)	pH (standard units)	Dissolved oxygen (mg/L)	Dissolved oxygen method	Turbidity (NTU)	Temperature (degrees Celsius)	Alkalinity (meq/L)
SDW 469-M01-06WT	5/24/2000	119	5.76	0.09	C	1.9	11.8	0.32
SDW 469-M01-07O	5/24/2000	131	5.83	0.17	C	1.2	12.0	0.34
SDW 469-M01-08GY	5/24/2000	164	5.67	0.24	C	1.8	12.2	0.08
SDW 469-M01-09Y	5/24/2000	176	5.80	0.24	C	0.9	11.8	0.10
SDW 469-M01-10P	5/24/2000	128	5.94	0.39	C	1.1	11.9	0.10
SDW 469-M01-11GN	5/24/2000	158	5.88	0.07	C	2.2	11.7	0.11
SDW 469-M01-12R	5/24/2000	165	5.83	0.20	C	2.9	11.7	0.11
SDW 469-M01-13BU	5/24/2000	144	5.67	0.05	C	2.6	11.7	--
SDW 469-M01-14BK	5/24/2000	58	5.64	11.0	M	3.5	11.6	--
SDW 469-M01-15W	5/24/2000	83	5.85	10.9	M	4.7	11.9	--
SDW 469-M01-01PT	8/29/2001	90	5.80	10.2	M	4.2	13.4	0.12
SDW 469-M01-02GNT	8/29/2001	100	5.48	9.1	M	0.9	13.7	0.04
SDW 469-M01-03RT	8/29/2001	131	5.56	5.1	M	0.7	13.4	0.10
SDW 469-M01-04BUT	8/29/2001	89	5.83	9.8	M	5.1	14.0	0.13
SDW 469-M01-05BKT	8/29/2001	117	5.75	0.06	C	2.7	13.2	0.22
SDW 469-M01-06WT	8/29/2001	116	5.73	0.05	C	1.6	13.3	0.23
SDW 469-M01-07O	8/29/2001	120	5.66	0.02	C	0.7	13.8	0.26
SDW 469-M01-08GY	8/29/2001	121	5.74	0.02	C	0.6	14.1	0.29
SDW 469-M01-09Y	8/29/2001	142	5.94	0.01	C	0.8	13.9	0.32
SDW 469-M01-10P	8/29/2001	228	5.86	0.00	C	0.4	13.5	0.17
SDW 469-M01-11GN	8/29/2001	207	5.73	0.00	C	0.6	13.8	0.15
SDW 469-M01-12R	8/29/2001	193	5.66	0.07	C	0.7	13.6	0.13
SDW 469-M01-13BU	8/29/2001	101	5.52	6.6	M	0.6	13.7	--
SDW 469-M01-14BK	8/29/2001	157	5.35	9.6	M	0.6	13.9	0.05
SDW 469-M01-15W	8/29/2001	84	5.73	10.1	M	0.7	13.4	0.08
SDW 469-M01-02GNT	6/20/2002	92	5.50	9.3	M	1.0	12.7	--
SDW 469-M01-03RT	6/20/2002	96	5.62	6.6	M	0.7	13.1	0.03
SDW 469-M01-04BUT	6/20/2002	112	5.62	0.08	C	0.7	12.8	0.08
SDW 469-M01-05BKT	6/20/2002	130	5.81	0.04	C	1.0	12.9	0.11
SDW 469-M01-06WT	6/20/2002	140	5.61	0.07	C	0.5	15.0	0.19
SDW 469-M01-07O	6/20/2002	113	5.64	0.07	C	0.8	13.8	0.17
SDW 469-M01-08GY	6/20/2002	107	5.69	0.06	C	0.6	13.8	0.17
SDW 469-M01-09Y	6/20/2002	144	5.89	0.06	C	0.3	13.7	0.13
SDW 469-M01-10P	6/20/2002	150	5.91	0.04	C	0.9	16.5	0.13
SDW 469-M01-11GN	6/20/2002	138	5.93	0.07	C	1.0	13.4	0.23
SDW 469-M01-12R	6/20/2002	88	5.88	0.04	C	0.8	13.8	0.18
SDW 469-M01-13BU	6/20/2002	89	5.65	8.0	M	1.5	13.5	0.12
SDW 469-M01-14BK	6/20/2002	65	5.65	9.0	M	3.2	14.1	--

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Well or multilevel-sampler port	Date	Specific conduct-ance (µS/cm)	pH (standard units)	Dissolved oxygen (mg/L)	Dissolved oxygen method	Turbidity (NTU)	Temper-ature (degrees Celsius)	Alkalinity (meq/L)
SDW 469-M01-15W	6/20/2002	81	5.79	9.5	M	1.5	14.9	--
SDW 469-M01-01PT	6/3/2003	73	5.86	10.1	M	10.0	10.7	--
SDW 469-M01-02GNT	6/3/2003	83	5.55	9.2	M	0.8	11.7	0.06
SDW 469-M01-03RT	6/3/2003	86	5.57	6.7	M	0.4	11.6	0.08
SDW 469-M01-04BUT	6/3/2003	110	5.59	1.6	C	0.7	12.4	0.11
SDW 469-M01-05BKT	6/3/2003	113	5.70	0.10	C	1.0	12.1	0.15
SDW 469-M01-06WT	6/3/2003	119	5.61	0.15	C	0.7	12.9	0.12
SDW 469-M01-07O	6/3/2003	109	5.59	0.09	C	0.2	12.9	0.19
SDW 469-M01-08GY	6/3/2003	125	5.61	0.25	C	0.4	13.2	0.14
SDW 469-M01-09Y	6/3/2003	151	5.83	0.08	C	0.3	12.6	0.17
SDW 469-M01-10P	6/3/2003	163	5.95	0.30	C	0.4	13.3	0.20
SDW 469-M01-11GN	6/3/2003	161	5.79	0.14	C	0.3	12.9	0.16
SDW 469-M01-12R	6/3/2003	139	5.71	0.21	C	0.2	13.7	0.14
SDW 469-M01-13BU	6/3/2003	100	5.49	7.4	M	0.4	12.8	--
SDW 469-M01-14BK	6/3/2003	67	5.72	8.7	M	0.3	12.8	--
SDW 469-M01-15W	6/3/2003	77	5.79	8.9	M	0.6	12.8	--
SDW 469-M01-01PT	7/30/2004	80	5.81	10.1	M	3.4	12.6	--
SDW 469-M01-02GNT	7/30/2004	87	5.59	6.8	M	0.9	12.9	0.08
SDW 469-M01-03RT	7/30/2004	96	5.51	5.6	M	0.6	13.1	0.09
SDW 469-M01-04BUT	7/30/2004	91	5.49	3.3	M	4.1	15.7	0.09
SDW 469-M01-05BKT	7/30/2004	74	5.65	0.07	C	2.5	12.9	0.14
SDW 469-M01-06WT	7/30/2004	74	5.60	0.05	C	1.9	13.2	0.10
SDW 469-M01-07O	7/30/2004	110	5.62	0.05	C	0.3	13.6	0.11
SDW 469-M01-08GY	7/30/2004	118	5.66	0.10	C	0.8	13.7	0.15
SDW 469-M01-09Y	7/30/2004	123	5.87	0.05	C	0.2	14.0	0.17
SDW 469-M01-10P	7/30/2004	244	5.81	0.00	C	0.7	13.9	0.16
SDW 469-M01-11GN	7/30/2004	262	5.63	0.07	C	3.5	14.0	0.08
SDW 469-M01-12R	7/30/2004	222	5.33	4.6	M	4.7	14.7	0.04
SDW 469-M01-13BU	7/30/2004	119	5.31	8.1	M	6.3	13.4	--
SDW 469-M01-14BK	7/30/2004	114	5.38	9.5	M	6.8	14.1	--
SDW 469-M01-15W	7/30/2004	89	5.81	10.4	M	3.1	16.9	--
SDW 473-M01-01PT	9/28/1995	--	--	--	--	--	--	--
SDW 473-M01-02GNT	9/28/1995	122	5.26	7.5	M	--	--	--
SDW 473-M01-03RT	9/28/1995	235	5.90	5.4	M	--	--	--
SDW 473-M01-04BUT	9/28/1995	213	5.59	5.0	M	--	--	--
SDW 473-M01-05BKT	9/28/1995	313	5.38	3.8	M	--	--	--
SDW 473-M01-06WT	9/28/1995	235	5.27	1.0	C	--	--	--

Table 6. Field water-quality analyses for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Locations of wells and multilevel samplers are shown in figure 1. **Dissolved-oxygen method**: C, CHEMetrics colorimetric; M, meter. µS/cm, microsiemen per centimeter at 25 degrees Celsius; mg/L, milligram per liter; NTU, Nephelometric Turbidity Unit; meq/L, milliequivalents per liter; --, no data]

Well or multilevel-sampler port	Date	Specific conduct-ance (µS/cm)	pH (standard units)	Dissolved oxygen (mg/L)	Dissolved oxygen method	Turbidity (NTU)	Temper-ature (degrees Celsius)	Alkalinity (meq/L)
SDW 473-M01-07O	9/28/1995	105	5.97	0.20	C	--	--	--
SDW 473-M01-08GY	9/28/1995	113	6.02	0.40	C	--	--	--
SDW 473-M01-09Y	9/28/1995	108	5.98	0.30	C	--	--	--
SDW 473-M01-10P	9/28/1995	114	5.86	0.40	C	--	--	--
SDW 473-M01-11GN	9/28/1995	138	5.72	0.30	C	--	--	--
SDW 473-M01-12R	9/28/1995	116	5.84	0.60	C	--	--	--
SDW 473-M01-13BU	9/28/1995	71	5.91	9.3	M	--	--	--
SDW 473-M01-14BK	9/28/1995	61	5.94	8.1	M	--	--	--
SDW 473-M01-15W	9/28/1995	87	5.82	7.2	M	--	--	--
SDW 473-M01-01PT	11/30/1995	--	--	--	--	--	--	--
SDW 473-M01-02GNT	11/30/1995	145	5.06	6.6	M	1.1	11.8	--
SDW 473-M01-03RT	11/30/1995	292	5.78	4.6	M	1.1	11.4	--
SDW 473-M01-04BUT	11/30/1995	214	5.49	4.9	M	0.3	10.3	--
SDW 473-M01-05BKT	11/30/1995	261	5.33	2.8	M	0.8	10.4	--
SDW 473-M01-06WT	11/30/1995	348	5.13	0.90	C	0.9	10.1	--
SDW 473-M01-07O	11/30/1995	285	5.64	0.20	C	0.4	11.0	--
SDW 473-M01-08GY	11/30/1995	123	5.90	0.15	C	0.5	11.1	--
SDW 473-M01-09Y	11/30/1995	113	5.91	0.15	C	0.5	11.3	--
SDW 473-M01-10P	11/30/1995	134	5.77	0.10	C	0.7	11.1	--
SDW 473-M01-11GN	11/30/1995	135	5.69	0.60	C	0.4	10.6	--
SDW 473-M01-12R	11/30/1995	113	5.76	1.2	M	0.7	9.9	--
SDW 473-M01-13BU	11/30/1995	71	5.96	8.8	M	0.5	10.8	--
SDW 473-M01-14BK	11/30/1995	64	5.87	8.8	M	0.9	11.0	--
SDW 473-M01-15W	11/30/1995	92	5.78	8.7	M	0.5	12.0	--
SDW 473-M01-01PT	1/24/1996	--	--	--	--	--	--	--
SDW 473-M01-02GNT	1/24/1996	250	5.03	4.8	M	0.2	11.9	--
SDW 473-M01-03RT	1/24/1996	319	5.74	4.3	M	0.4	11.6	--
SDW 473-M01-04BUT	1/24/1996	295	5.53	4.1	M	0.6	11.6	--
SDW 473-M01-05BKT	1/24/1996	273	5.35	3.5	M	0.4	11.3	--
SDW 473-M01-06WT	1/24/1996	181	5.17	0.10	C	0.3	11.2	--
SDW 473-M01-07O	1/24/1996	124	5.84	0.10	C	0.6	11.2	--
SDW 473-M01-08GY	1/24/1996	125	5.88	0.10	C	0.3	11.2	--
SDW 473-M01-09Y	1/24/1996	132	5.84	0.04	C	0.3	11.2	--
SDW 473-M01-10P	1/24/1996	142	5.75	0.08	C	0.2	11.2	--
SDW 473-M01-11GN	1/24/1996	130	5.66	0.10	C	0.6	11.2	--
SDW 473-M01-12R	1/24/1996	106	5.63	5.8	M	0.9	11.2	--
SDW 473-M01-13BU	1/24/1996	65	5.75	9.3	M	0.3	11.3	--
SDW 473-M01-14BK	1/24/1996	74	5.80	8.6	M	0.5	11.3	--

Table 6. Field water-quality analyses for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Locations of wells and multilevel samplers are shown in figure 1. **Dissolved-oxygen method**: C, CHEMetrics colorimetric; M, meter. µS/cm, microsiemen per centimeter at 25 degrees Celsius; mg/L, milligram per liter; NTU, Nephelometric Turbidity Unit; meq/L, milliequivalents per liter; --, no data]

Well or multilevel-sampler port	Date	Specific conduct-ance (µS/cm)	pH (standard units)	Dissolved oxygen (mg/L)	Dissolved oxygen method	Turbidity (NTU)	Temper-ature (degrees Celsius)	Alkalinity (meq/L)
SDW 473-M01-15W	1/24/1996	109	5.81	8.4	M	0.4	11.2	--
SDW 473-M01-01PT	3/20/1996	85	5.70	9.5	M	37.8	9.7	--
SDW 473-M01-02GNT	3/20/1996	140	5.07	8.0	M	0.4	10.6	--
SDW 473-M01-03RT	3/20/1996	337	5.87	4.8	M	0.5	10.7	--
SDW 473-M01-04BUT	3/20/1996	389	5.59	3.6	M	0.4	10.8	--
SDW 473-M01-05BKT	3/20/1996	364	5.28	3.9	M	0.3	10.8	--
SDW 473-M01-06WT	3/20/1996	185	5.34	0.50	C	0.6	10.8	--
SDW 473-M01-07O	3/20/1996	121	5.84	0.40	C	0.4	10.7	--
SDW 473-M01-08GY	3/20/1996	126	5.91	0.80	C	0.3	10.8	--
SDW 473-M01-09Y	3/20/1996	140	5.83	0.50	C	0.3	10.7	--
SDW 473-M01-10P	3/20/1996	146	5.76	0.40	C	0.4	10.8	--
SDW 473-M01-11GN	3/20/1996	125	5.64	1.00	C	0.5	11.1	--
SDW 473-M01-12R	3/20/1996	98	5.71	8.7	M	1.0	11.4	--
SDW 473-M01-13BU	3/20/1996	64	5.82	9.2	M	0.5	11.5	--
SDW 473-M01-14BK	3/20/1996	67	5.83	9.3	M	0.4	11.5	--
SDW 473-M01-15W	3/20/1996	100	5.77	8.6	M	0.6	12.3	--
SDW 473-M01-01PT	5/16/1996	96	5.34	8.4	M	2.4	11.2	--
SDW 473-M01-02GNT	5/16/1996	127	5.17	7.5	M	0.2	11.6	--
SDW 473-M01-03RT	5/16/1996	306	5.83	4.7	M	0.7	11.9	--
SDW 473-M01-04BUT	5/16/1996	214	5.76	4.9	M	0.3	12.3	--
SDW 473-M01-05BKT	5/16/1996	167	5.47	4.2	M	0.2	12.3	--
SDW 473-M01-06WT	5/16/1996	158	5.40	0.25	C	0.2	12.7	--
SDW 473-M01-07O	5/16/1996	132	5.87	0.08	C	0.3	12.8	--
SDW 473-M01-08GY	5/16/1996	123	5.93	0.08	C	0.2	12.7	--
SDW 473-M01-09Y	5/16/1996	131	5.90	0.06	C	0.2	12.9	--
SDW 473-M01-10P	5/16/1996	164	5.80	0.10	C	0.3	13.1	--
SDW 473-M01-11GN	5/16/1996	120	5.84	0.10	C	0.3	12.8	--
SDW 473-M01-12R	5/16/1996	102	5.71	8.1	M	0.6	12.6	--
SDW 473-M01-13BU	5/16/1996	63	6.01	7.9	M	0.3	12.8	--
SDW 473-M01-14BK	5/16/1996	68	5.94	8.2	M	0.3	12.8	--
SDW 473-M01-15W	5/16/1996	94	5.80	7.3	M	1.0	13.1	--
SDW 473-M01-01PT	7/26/1996	108	4.94	7.6	M	2.1	13.9	--
SDW 473-M01-02GNT	7/26/1996	83	5.18	8.9	M	1.0	12.4	--
SDW 473-M01-03RT	7/26/1996	167	5.80	4.9	M	2.2	12.0	--
SDW 473-M01-04BUT	7/26/1996	130	5.77	1.9	M	1.6	12.1	--
SDW 473-M01-05BKT	7/26/1996	140	5.40	2.1	M	0.6	12.4	--
SDW 473-M01-06WT	7/26/1996	175	5.28	0.20	C	0.8	12.4	--

Table 6. Field water-quality analyses for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Locations of wells and multilevel samplers are shown in figure 1. **Dissolved-oxygen method**: C, CHEMetrics colorimetric; M, meter. µS/cm, microsiemen per centimeter at 25 degrees Celsius; mg/L, milligram per liter; NTU, Nephelometric Turbidity Unit; meq/L, milliequivalents per liter; --, no data]

Well or multilevel-sampler port	Date	Specific conductance (µS/cm)	pH (standard units)	Dissolved oxygen (mg/L)	Dissolved oxygen method	Turbidity (NTU)	Temperature (degrees Celsius)	Alkalinity (meq/L)
SDW 473-M01-07O	7/26/1996	118	5.78	0.06	C	0.8	12.4	--
SDW 473-M01-08GY	7/26/1996	119	5.79	0.06	C	0.9	12.7	--
SDW 473-M01-09Y	7/26/1996	127	5.79	0.04	C	0.8	13.0	--
SDW 473-M01-10P	7/26/1996	179	5.68	0.08	C	1.0	12.8	--
SDW 473-M01-11GN	7/26/1996	142	5.61	0.08	C	0.7	13.0	--
SDW 473-M01-12R	7/26/1996	102	5.65	8.8	M	1.2	13.1	--
SDW 473-M01-13BU	7/26/1996	63	5.80	8.5	M	0.7	13.3	--
SDW 473-M01-14BK	7/26/1996	64	5.80	8.3	M	1.1	13.5	--
SDW 473-M01-15W	7/26/1996	89	5.75	8.2	M	0.8	13.4	--
SDW 473-M01-01PT	11/5/1996	66	4.94	8.3	M	1.3	--	--
SDW 473-M01-02GNT	11/5/1996	95	5.15	8.2	M	0.6	--	--
SDW 473-M01-03RT	11/5/1996	129	5.86	6.3	M	1.3	--	--
SDW 473-M01-04BUT	11/5/1996	112	5.69	3.9	M	0.6	--	--
SDW 473-M01-05BKT	11/5/1996	105	5.55	1.6	M	1.0	--	--
SDW 473-M01-06WT	11/5/1996	101	5.46	0.20	C	0.4	--	--
SDW 473-M01-07O	11/5/1996	135	5.71	0.04	C	0.4	--	--
SDW 473-M01-08GY	11/5/1996	136	5.88	0.70	C	1.3	--	--
SDW 473-M01-09Y	11/7/1996	137	5.79	0.30	C	1.2	--	--
SDW 473-M01-10P	11/7/1996	169	5.78	0.30	C	1.3	--	--
SDW 473-M01-11GN	11/7/1996	143	5.61	0.20	C	1.0	--	--
SDW 473-M01-12R	11/7/1996	79	5.76	8.7	M	1.6	--	--
SDW 473-M01-13BU	11/7/1996	57	5.83	9.1	M	1.3	--	--
SDW 473-M01-14BK	11/7/1996	73	5.83	8.4	M	1.1	--	--
SDW 473-M01-15W	11/7/1996	89	5.82	8.7	M	1.0	--	--
SDW 473-M01-01PT	2/18/1997	93	4.15	8.3	M	0.8	10.5	--
SDW 473-M01-02GNT	2/18/1997	79	5.28	7.6	M	0.7	10.7	--
SDW 473-M01-03RT	2/18/1997	118	5.82	6.1	M	0.7	10.9	--
SDW 473-M01-04BUT	2/18/1997	115	5.71	4.2	M	0.9	10.9	--
SDW 473-M01-05BKT	2/18/1997	106	5.53	0.48	C	0.8	11.0	--
SDW 473-M01-06WT	2/18/1997	107	5.45	0.07	C	0.9	10.8	--
SDW 473-M01-07O	2/18/1997	137	5.78	0.06	C	0.7	10.7	--
SDW 473-M01-08GY	2/18/1997	136	5.94	0.04	C	0.7	11.3	--
SDW 473-M01-09Y	2/18/1997	125	5.88	0.04	C	0.8	11.3	--
SDW 473-M01-10P	2/18/1997	116	5.84	0.03	C	0.7	11.2	--
SDW 473-M01-11GN	2/18/1997	108	5.68	0.10	C	0.9	11.1	--
SDW 473-M01-12R	2/18/1997	65	6.08	8.3	M	1.4	10.9	--
SDW 473-M01-13BU	2/18/1997	56	6.12	8.9	M	0.9	10.6	--
SDW 473-M01-14BK	2/18/1997	71	6.06	8.2	M	1.0	10.8	--

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[Locations of wells and multilevel samplers are shown in figure 1. **Dissolved-oxygen method**: C, CHEMetrics colorimetric; M, meter. µS/cm, microsiemen per centimeter at 25 degrees Celsius; mg/L, milligram per liter; NTU, Nephelometric Turbidity Unit; meq/L, milliequivalents per liter; --, no data]

Well or multilevel-sampler port	Date	Specific conductance (µS/cm)	pH (standard units)	Dissolved oxygen (mg/L)	Dissolved oxygen method	Turbidity (NTU)	Temperature (degrees Celsius)	Alkalinity (meq/L)
SDW 473-M01-15W	2/18/1997	88	5.93	8.6	M	0.7	10.6	--
SDW 473-M01-01PT	5/14/1997	84	4.81	8.4	M	0.5	13.1	--
SDW 473-M01-02GNT	5/14/1997	98	5.29	7.8	M	0.6	13.4	--
SDW 473-M01-03RT	5/14/1997	135	5.88	7.0	M	0.5	13.9	--
SDW 473-M01-04BUT	5/14/1997	138	5.74	7.2	M	0.8	13.5	--
SDW 473-M01-05BKT	5/14/1997	126	5.53	4.2	M	0.4	14.3	--
SDW 473-M01-06WT	5/14/1997	104	5.47	0.20	C	0.3	13.7	--
SDW 473-M01-07O	5/14/1997	151	5.82	0.40	M	0.3	14.3	--
SDW 473-M01-08GY	5/14/1997	151	5.93	0.15	C	0.4	13.8	--
SDW 473-M01-09Y	5/14/1997	137	5.86	0.14	C	0.3	14.7	--
SDW 473-M01-10P	5/14/1997	93	5.93	0.32	C	0.4	14.4	--
SDW 473-M01-11GN	5/14/1997	81	5.92	0.31	C	0.3	14.7	--
SDW 473-M01-12R	5/14/1997	60	5.96	8.6	M	0.7	14.3	--
SDW 473-M01-13BU	5/14/1997	57	5.95	8.4	M	0.6	14.3	--
SDW 473-M01-14BK	5/14/1997	70	5.88	8.7	M	0.5	14.0	--
SDW 473-M01-15W	5/14/1997	84	5.93	8.2	M	0.5	14.4	--
SDW 473-M01-01PT	8/14/1997	77	4.69	8.8	M	1.9	14.8	--
SDW 473-M01-02GNT	8/14/1997	108	5.46	8.6	M	1.9	14.5	--
SDW 473-M01-03RT	8/14/1997	135	5.82	7.7	M	5.5	14.4	--
SDW 473-M01-04BUT	8/14/1997	139	5.74	6.8	M	2.5	14.7	--
SDW 473-M01-05BKT	8/14/1997	125	5.52	3.8	M	0.9	14.9	--
SDW 473-M01-06WT	8/14/1997	100	5.49	0.08	C	0.4	15.6	--
SDW 473-M01-07O	8/14/1997	140	5.81	0.06	C	0.3	14.8	--
SDW 473-M01-08GY	8/14/1997	176	5.79	0.07	C	0.7	15.4	--
SDW 473-M01-09Y	8/14/1997	181	5.71	0.05	C	0.3	15.8	--
SDW 473-M01-10P	8/14/1997	121	5.80	0.10	C	0.7	15.5	--
SDW 473-M01-11GN	8/14/1997	89	5.77	0.08	C	0.5	15.9	--
SDW 473-M01-12R	8/14/1997	58	5.84	8.2	M	1.3	15.8	--
SDW 473-M01-13BU	8/14/1997	59	5.88	8.6	M	0.5	15.3	--
SDW 473-M01-14BK	8/14/1997	73	5.88	8.4	M	0.8	15.8	--
SDW 473-M01-15W	8/14/1997	86	5.84	8.4	M	1.1	16.3	--
SDW 473-M01-01PT	11/3/1997	78	4.61	8.8	M	1.9	12.2	--
SDW 473-M01-02GNT	11/3/1997	121	5.34	8.7	M	1.4	11.7	--
SDW 473-M01-03RT	11/3/1997	145	5.80	8.2	M	1.5	11.6	--
SDW 473-M01-04BUT	11/3/1997	122	5.73	8.1	M	2.2	11.5	--
SDW 473-M01-05BKT	11/3/1997	118	5.55	6.9	M	0.9	11.8	--
SDW 473-M01-06WT	11/3/1997	104	5.45	0.15	C	0.4	11.7	--

Table 6. Field water-quality analyses for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Specific conductance (µS/cm)	pH (standard units)	Dissolved oxygen (mg/L)	Dissolved oxygen method	Turbidity (NTU)	Temperature (degrees Celsius)	Alkalinity (meq/L)
SDW 473-M01-07O	11/3/1997	149	5.78	0.03	C	0.4	11.7	--
SDW 473-M01-08GY	11/3/1997	154	5.85	0.05	C	0.5	12.0	--
SDW 473-M01-09Y	11/3/1997	153	5.73	0.10	C	0.4	12.0	--
SDW 473-M01-10P	11/3/1997	177	5.61	0.08	C	0.5	12.2	--
SDW 473-M01-11GN	11/3/1997	88	5.60	0.05	C	0.6	12.3	--
SDW 473-M01-12R	11/3/1997	56	5.75	8.3	M	0.8	12.3	--
SDW 473-M01-13BU	11/3/1997	59	5.70	9.3	M	0.7	12.3	--
SDW 473-M01-14BK	11/3/1997	74	5.82	9.0	M	0.6	12.6	--
SDW 473-M01-15W	11/3/1997	90	5.81	8.8	M	1.5	12.8	--
SDW 473-M01-01PT	5/12/1998	106	4.69	8.6	M	2.2	10.8	--
SDW 473-M01-02GNT	5/12/1998	106	5.06	7.7	M	3.3	11.1	--
SDW 473-M01-03RT	5/12/1998	245	5.77	6.5	M	8.5	11.3	--
SDW 473-M01-04BUT	5/12/1998	188	5.69	6.8	M	6.0	11.5	--
SDW 473-M01-05BKT	5/12/1998	136	5.58	6.6	M	2.6	11.7	--
SDW 473-M01-06WT	5/12/1998	115	5.45	0.03	C	1.6	11.8	--
SDW 473-M01-07O	5/12/1998	133	5.88	0.04	C	0.9	11.9	--
SDW 473-M01-08GY	5/12/1998	143	6.00	0.11	C	1.2	11.8	--
SDW 473-M01-09Y	5/12/1998	148	5.83	0.06	C	1.3	11.9	--
SDW 473-M01-10P	5/12/1998	166	5.78	0.05	C	1.4	12.3	--
SDW 473-M01-11GN	5/12/1998	113	5.73	0.06	C	7.0	12.8	--
SDW 473-M01-12R	5/12/1998	58	5.86	7.9	M	4.1	12.2	--
SDW 473-M01-13BU	5/12/1998	62	5.89	8.5	M	1.9	12.3	--
SDW 473-M01-14BK	5/12/1998	78	5.88	8.1	M	1.1	12.5	--
SDW 473-M01-15W	5/12/1998	92	5.79	8.4	M	0.9	13.0	--
SDW 473-M01-01PT	10/30/1998	89	4.66	8.8	M	0.7	13.1	--
SDW 473-M01-02GNT	10/30/1998	178	5.03	7.9	M	0.6	12.1	--
SDW 473-M01-03RT	10/30/1998	260	5.83	7.1	M	1.1	12.3	--
SDW 473-M01-04BUT	10/30/1998	269	5.60	7.4	M	0.9	11.8	--
SDW 473-M01-05BKT	10/30/1998	289	5.30	7.8	M	0.8	11.8	--
SDW 473-M01-06WT	10/30/1998	172	5.46	1.8	M	0.8	12.0	--
SDW 473-M01-07O	10/30/1998	152	5.90	0.02	C	0.8	12.2	--
SDW 473-M01-08GY	10/30/1998	168	6.01	0.01	C	1.6	12.4	--
SDW 473-M01-09Y	10/30/1998	153	6.04	0.00	C	0.8	12.1	--
SDW 473-M01-10P	10/30/1998	145	5.99	0.00	C	0.8	12.6	--
SDW 473-M01-11GN	10/30/1998	116	5.69	0.02	C	0.7	12.7	--
SDW 473-M01-12R	10/30/1998	72	5.96	7.6	M	0.9	12.5	--
SDW 473-M01-13BU	10/30/1998	73	6.00	9.1	M	0.8	12.2	--
SDW 473-M01-14BK	10/30/1998	80	5.94	8.4	M	1.4	12.6	--

Table 6. Field water-quality analyses for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Locations of wells and multilevel samplers are shown in figure 1. **Dissolved-oxygen method**: C, CHEMetrics colorimetric; M, meter. µS/cm, microsiemen per centimeter at 25 degrees Celsius; mg/L, milligram per liter; NTU, Nephelometric Turbidity Unit; meq/L, milliequivalents per liter; --, no data]

Well or multilevel-sampler port	Date	Specific conduct-ance (µS/cm)	pH (standard units)	Dissolved oxygen (mg/L)	Dissolved oxygen method	Turbidity (NTU)	Temper-ature (degrees Celsius)	Alkalinity (meq/L)
SDW 473-M01-15W	10/30/1998	98	5.91	9.1	M	1.0	13.1	--
SDW 473-M01-01PT	6/28/1999	80	4.69	8.8	M	3.2	13.7	--
SDW 473-M01-02GNT	6/28/1999	96	4.92	6.6	C	1.2	13.8	--
SDW 473-M01-03RT	6/28/1999	139	5.88	7.2	M	2.4	13.2	0.20
SDW 473-M01-04BUT	6/28/1999	136	5.75	6.5	M	4.0	13.8	--
SDW 473-M01-05BKT	6/28/1999	122	5.46	3.3	M	2.7	14.0	0.21
SDW 473-M01-06WT	6/28/1999	113	5.40	0.05	C	2.7	14.1	0.18
SDW 473-M01-07O	6/28/1999	160	5.93	0.08	C	4.6	13.9	0.13
SDW 473-M01-08GY	6/28/1999	110	6.04	0.07	C	4.3	14.2	0.13
SDW 473-M01-09Y	6/28/1999	95	6.07	0.11	C	0.9	13.7	0.09
SDW 473-M01-10P	6/28/1999	83	5.88	0.01	C	5.2	15.5	0.07
SDW 473-M01-11GN	6/28/1999	58	5.72	3.5	M	4.4	14.6	0.03
SDW 473-M01-12R	6/28/1999	69	5.85	8.6	M	2.1	15.2	0.05
SDW 473-M01-13BU	6/28/1999	61	5.89	9.4	M	5.9	14.5	--
SDW 473-M01-14BK	6/28/1999	79	5.86	8.8	M	1.2	14.9	--
SDW 473-M01-15W	6/28/1999	87	5.84	9.1	M	5.4	17.4	--
SDW 473-M01-01PT	6/13/2000	70	4.90	7.9	M	1.0	12.4	--
SDW 473-M01-02GNT	6/13/2000	109	4.99	7.7	M	0.6	12.5	0.03
SDW 473-M01-03RT	6/13/2000	141	5.78	8.0	M	1.3	12.4	0.25
SDW 473-M01-04BUT	6/13/2000	135	5.65	7.6	M	0.8	12.9	0.16
SDW 473-M01-05BKT	6/13/2000	116	5.38	6.7	M	1.1	12.4	0.03
SDW 473-M01-06WT	6/13/2000	129	5.29	0.05	C	0.8	13.0	0.12
SDW 473-M01-07O	6/13/2000	159	5.77	0.06	C	0.8	13.1	--
SDW 473-M01-08GY	6/13/2000	161	5.83	0.06	C	0.5	12.1	0.11
SDW 473-M01-09Y	6/13/2000	91	5.96	0.18	C	0.6	12.4	0.24
SDW 473-M01-10P	6/13/2000	45	6.07	0.07	C	0.7	12.4	0.10
SDW 473-M01-11GN	6/13/2000	47	5.50	8.5	M	1.2	12.9	--
SDW 473-M01-12R	6/13/2000	52	5.80	10.0	M	1.2	12.2	0.11
SDW 473-M01-13BU	6/13/2000	62	5.87	10.2	M	0.7	13.1	--
SDW 473-M01-14BK	6/13/2000	72	5.80	9.8	M	0.7	12.7	--
SDW 473-M01-15W	6/13/2000	73	5.89	9.5	M	0.9	13.1	--
SDW 473-M01-01PT	8/13/2001	140	4.85	0.83	C	2.3	13.2	--
SDW 473-M01-02GNT	8/13/2001	124	5.02	8.6	M	4.6	13.4	--
SDW 473-M01-03RT	8/13/2001	109	5.75	9.4	M	7.4	12.9	--
SDW 473-M01-04BUT	8/13/2001	100	5.56	8.1	M	1.5	13.6	--
SDW 473-M01-05BKT	8/13/2001	100	5.28	8.2	M	1.8	13.7	--
SDW 473-M01-06WT	8/13/2001	100	5.33	6.3	M	2.9	14.1	--

Table 6. Field water-quality analyses for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Locations of wells and multilevel samplers are shown in figure 1. **Dissolved-oxygen method**: C, CHEMetrics colorimetric; M, meter. µS/cm, microsiemen per centimeter at 25 degrees Celsius; mg/L, milligram per liter; NTU, Nephelometric Turbidity Unit; meq/L, milliequivalents per liter; --, no data]

Well or multilevel-sampler port	Date	Specific conductance (µS/cm)	pH (standard units)	Dissolved oxygen (mg/L)	Dissolved oxygen method	Turbidity (NTU)	Temperature (degrees Celsius)	Alkalinity (meq/L)
SDW 473-M01-07O	8/13/2001	132	5.82	0.11	C	0.6	15.0	--
SDW 473-M01-08GY	8/13/2001	152	5.73	0.14	C	0.8	14.8	--
SDW 473-M01-09Y	8/13/2001	134	5.30	7.8	M	2.6	13.9	--
SDW 473-M01-10P	8/13/2001	85	5.65	8.2	M	1.1	15.8	--
SDW 473-M01-11GN	8/13/2001	74	5.40	9.7	M	4.3	14.0	--
SDW 473-M01-12R	8/13/2001	91	5.63	9.3	M	2.3	15.0	--
SDW 473-M01-13BU	8/13/2001	61	5.64	10.0	M	0.7	15.1	--
SDW 473-M01-14BK	8/13/2001	78	5.73	9.9	M	1.0	15.0	--
SDW 473-M01-15W	8/13/2001	89	5.71	9.9	M	1.3	15.2	--
SDW 473-M01-01PT	6/6/2002	--	--	--	--	--	--	--
SDW 473-M01-02GNT	6/6/2002	96	5.28	8.3	M	--	12.3	--
SDW 473-M01-03RT	6/6/2002	84	6.00	8.7	M	1.2	12.5	0.05
SDW 473-M01-04BUT	6/6/2002	76	5.72	7.9	M	0.7	12.7	0.19
SDW 473-M01-05BKT	6/6/2002	87	5.37	6.9	M	0.2	12.8	0.15
SDW 473-M01-06WT	6/6/2002	92	5.43	5.1	M	0.6	13.4	0.10
SDW 473-M01-07O	6/6/2002	128	5.62	0.62	C	0.2	13.2	0.10
SDW 473-M01-08GY	6/6/2002	137	5.23	5.7	M	1.5	13.1	0.08
SDW 473-M01-09Y	6/6/2002	146	5.32	7.4	M	0.9	13.4	0.04
SDW 473-M01-10P	6/6/2002	137	5.44	8.0	M	1.0	13.4	0.05
SDW 473-M01-11GN	6/6/2002	112	5.27	8.6	M	0.4	13.8	0.05
SDW 473-M01-12R	6/6/2002	54	5.88	9.2	M	0.6	14.6	0.02
SDW 473-M01-13BU	6/6/2002	64	5.81	9.2	M	0.6	13.7	0.06
SDW 473-M01-14BK	6/6/2002	78	5.83	9.2	M	0.2	13.7	--
SDW 473-M01-15W	6/6/2002	78	6.03	9.4	M	1.0	14.3	--
SDW 473-M01-01PT	5/16/2003	85	5.03	4.7	M	0.1	10.7	--
SDW 473-M01-02GNT	5/16/2003	103	5.13	8.3	M	0.2	11.1	0.05
SDW 473-M01-03RT	5/16/2003	152	6.09	8.2	M	0.6	11.3	--
SDW 473-M01-04BUT	5/16/2003	80	5.75	8.5	M	0.6	11.6	0.19
SDW 473-M01-05BKT	5/16/2003	73	5.41	8.0	M	0.2	11.9	0.15
SDW 473-M01-06WT	5/16/2003	94	5.33	6.3	M	0.7	11.8	0.10
SDW 473-M01-07O	5/16/2003	126	5.28	6.6	M	0.5	12.0	0.10
SDW 473-M01-08GY	5/16/2003	130	5.17	6.8	M	1.0	11.9	0.08
SDW 473-M01-09Y	5/16/2003	155	5.27	9.0	M	0.8	12.0	0.04
SDW 473-M01-10P	5/16/2003	191	5.35	8.6	M	0.9	11.7	0.05
SDW 473-M01-11GN	5/16/2003	155	5.22	10.3	M	0.3	12.0	0.05
SDW 473-M01-12R	5/16/2003	71	5.69	10.1	M	0.3	12.0	0.02
SDW 473-M01-13BU	5/16/2003	73	5.73	10.9	M	0.1	12.0	0.06
SDW 473-M01-14BK	5/16/2003	71	5.81	9.4	M	0.3	11.9	--

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[Locations of wells and multilevel samplers are shown in figure 1. **Dissolved-oxygen method**: C, CHEMetrics colorimetric; M, meter. µS/cm, microsiemen per centimeter at 25 degrees Celsius; mg/L, milligram per liter; NTU, Nephelometric Turbidity Unit; meq/L, milliequivalents per liter; --, no data]

Well or multilevel-sampler port	Date	Specific conduct-ance (µS/cm)	pH (standard units)	Dissolved oxygen (mg/L)	Dissolved oxygen method	Turbidity (NTU)	Temper-ature (degrees Celsius)	Alkalinity (meq/L)
SDW 473-M01-15W	5/16/2003	76	5.91	10.0	M	0.1	11.6	--
SDW 473-M01-01PT	8/18/2004	79	5.16	0.93	C	0.3	13.4	--
SDW 473-M01-02GNT	8/18/2004	84	5.63	6.7	M	0.6	12.9	0.33
SDW 473-M01-03RT	8/18/2004	95	6.05	8.7	M	0.5	13.6	1.24
SDW 473-M01-04BUT	8/18/2004	96	5.75	8.5	M	0.9	13.3	0.32
SDW 473-M01-05BKT	8/18/2004	94	5.43	8.7	M	0.5	13.1	0.22
SDW 473-M01-06WT	8/18/2004	76	5.38	7.6	M	1.0	13.4	0.07
SDW 473-M01-07O	8/18/2004	104	5.41	7.6	M	1.9	13.8	0.34
SDW 473-M01-08GY	8/18/2004	137	5.30	7.8	M	4.7	14.0	0.14
SDW 473-M01-09Y	8/18/2004	169	5.24	8.3	M	3.0	13.3	0.43
SDW 473-M01-10P	8/18/2004	273	5.35	9.4	M	1.7	13.5	0.15
SDW 473-M01-11GN	8/18/2004	218	5.20	9.8	M	1.5	13.7	0.10
SDW 473-M01-12R	8/18/2004	166	5.49	9.8	M	0.8	13.7	0.42
SDW 473-M01-13BU	8/18/2004	185	5.53	10.0	M	0.4	13.8	0.30
SDW 473-M01-14BK	8/18/2004	180	5.59	9.6	M	0.6	14.0	--
SDW 473-M01-15W	8/18/2004	103	5.78	10.1	M	0.5	14.4	--
SDW 474-M01-01PT	9/22/1995	--	--	--	--	--	--	--
SDW 474-M01-02GNT	9/22/1995	83	5.16	9.1	M	--	--	--
SDW 474-M01-03RT	9/22/1995	73	5.40	9.5	M	--	--	--
SDW 474-M01-04BUT	9/22/1995	78	5.49	9.8	M	--	--	--
SDW 474-M01-05BKT	9/22/1995	86	5.42	6.2	M	--	--	--
SDW 474-M01-06WT	9/22/1995	126	5.37	6.0	M	--	--	--
SDW 474-M01-07O	9/22/1995	125	5.60	8.4	M	--	--	--
SDW 474-M01-08GY	9/22/1995	128	5.56	10.4	M	--	--	--
SDW 474-M01-09Y	9/22/1995	122	5.56	10.8	M	--	--	--
SDW 474-M01-10P	9/22/1995	89	5.64	8.0	C	--	--	--
SDW 474-M01-11GN	9/22/1995	52	5.70	8.0	C	--	--	--
SDW 474-M01-12R	9/22/1995	49	5.51	9.0	C	--	--	--
SDW 474-M01-13BU	9/22/1995	53	5.44	10.0	C	--	--	--
SDW 474-M01-14BK	9/22/1995	68	5.34	9.0	C	--	--	--
SDW 474-M01-15W	9/22/1995	69	5.14	10.0	C	--	--	--
SDW 474-M01-01PT	11/30/1995	--	--	--	--	--	--	--
SDW 474-M01-02GNT	11/30/1995	100	5.00	4.7	M	--	10.9	--
SDW 474-M01-03RT	11/30/1995	83	5.29	6.3	M	--	11.0	--
SDW 474-M01-04BUT	11/30/1995	87	5.28	7.3	M	--	10.4	--
SDW 474-M01-05BKT	11/30/1995	89	5.33	6.5	M	--	10.5	--
SDW 474-M01-06WT	11/30/1995	113	5.31	2.8	M	--	9.9	--

Table 6. Field water-quality analyses for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Specific conductance (µS/cm)	pH (standard units)	Dissolved oxygen (mg/L)	Dissolved oxygen method	Turbidity (NTU)	Temperature (degrees Celsius)	Alkalinity (meq/L)
SDW 474-M01-07O	11/30/1995	148	5.35	7.0	M	--	10.3	--
SDW 474-M01-08GY	11/30/1995	167	5.57	7.8	M	--	10.3	--
SDW 474-M01-09Y	11/30/1995	88	5.56	8.0	M	--	10.3	--
SDW 474-M01-10P	11/30/1995	76	5.47	10.0	M	--	9.8	--
SDW 474-M01-11GN	11/30/1995	57	5.41	10.5	M	--	9.5	--
SDW 474-M01-12R	11/30/1995	52	5.38	9.8	M	--	9.6	--
SDW 474-M01-13BU	11/30/1995	55	5.24	10.5	M	--	9.7	--
SDW 474-M01-14BK	11/30/1995	67	5.24	10.2	M	--	9.5	--
SDW 474-M01-15W	11/30/1995	78	5.39	10.4	M	--	9.6	--
SDW 474-M01-01PT	1/26/1996	--	--	--	--	--	--	--
SDW 474-M01-02GNT	1/26/1996	69	4.91	4.5	M	7.9	10.2	--
SDW 474-M01-03RT	1/26/1996	84	5.00	7.0	M	0.5	10.9	--
SDW 474-M01-04BUT	1/26/1996	94	5.23	6.9	M	1.7	11.1	--
SDW 474-M01-05BKT	1/26/1996	79	5.07	4.3	M	1.2	11.1	--
SDW 474-M01-06WT	1/26/1996	91	5.25	0.20	C	0.8	10.9	--
SDW 474-M01-07O	1/26/1996	91	5.44	6.8	M	14.5	10.4	--
SDW 474-M01-08GY	1/26/1996	130	5.43	6.8	M	3.2	10.2	--
SDW 474-M01-09Y	1/26/1996	119	5.54	9.1	M	0.7	10.2	--
SDW 474-M01-10P	1/26/1996	118	5.47	9.1	M	2.5	10.3	--
SDW 474-M01-11GN	1/26/1996	67	5.57	10.7	M	1.2	10.2	--
SDW 474-M01-12R	1/26/1996	56	5.47	9.6	M	1.0	10.1	--
SDW 474-M01-13BU	1/26/1996	53	5.33	10.5	M	1.2	10.0	--
SDW 474-M01-14BK	1/26/1996	66	5.37	9.6	M	0.4	10.0	--
SDW 474-M01-15W	1/26/1996	84	5.40	10.5	M	1.1	8.4	--
SDW 474-M01-01PT	3/22/1996	123	5.91	10.3	M	5.8	9.1	--
SDW 474-M01-02GNT	3/22/1996	84	5.10	7.3	M	1.5	10.0	--
SDW 474-M01-03RT	3/22/1996	84	5.23	8.4	M	1.1	10.4	--
SDW 474-M01-04BUT	3/22/1996	105	5.29	7.7	M	2.5	10.7	--
SDW 474-M01-05BKT	3/22/1996	124	5.26	7.4	M	1.0	10.9	--
SDW 474-M01-06WT	3/22/1996	93	5.33	1.9	M	0.6	11.0	--
SDW 474-M01-07O	3/22/1996	132	5.40	0.60	C	2.4	10.6	--
SDW 474-M01-08GY	3/22/1996	138	5.48	6.9	M	0.6	10.8	--
SDW 474-M01-09Y	3/22/1996	144	5.50	7.8	M	0.6	10.8	--
SDW 474-M01-10P	3/22/1996	154	5.45	8.7	M	0.6	10.8	--
SDW 474-M01-11GN	3/22/1996	77	5.54	9.7	M	0.4	10.8	--
SDW 474-M01-12R	3/22/1996	56	5.53	9.6	M	0.6	10.8	--
SDW 474-M01-13BU	3/22/1996	52	5.27	9.6	M	1.2	10.8	--
SDW 474-M01-14BK	3/22/1996	65	5.37	9.5	M	0.4	11.1	--

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Well or multilevel-sampler port	Date	Specific conduct-ance (µS/cm)	pH (standard units)	Dissolved oxygen (mg/L)	Dissolved oxygen method	Turbidity (NTU)	Temper-ature (degrees Celsius)	Alkalinity (meq/L)
SDW 474-M01-15W	3/22/1996	82	5.31	10.0	M	0.7	11.3	--
SDW 474-M01-01PT	5/16/1996	126	5.70	9.7	M	22.0	12.7	--
SDW 474-M01-02GNT	5/16/1996	92	5.09	7.6	M	50.6	12.6	--
SDW 474-M01-03RT	5/16/1996	105	5.14	7.5	M	15.7	12.8	--
SDW 474-M01-04BUT	5/16/1996	110	5.27	7.0	M	2.0	11.1	--
SDW 474-M01-05BKT	5/16/1996	113	5.30	5.7	M	1.1	11.2	--
SDW 474-M01-06WT	5/16/1996	95	5.32	0.6	C	2.8	11.3	--
SDW 474-M01-07O	5/16/1996	111	5.42	0.2	C	8.8	11.6	--
SDW 474-M01-08GY	5/16/1996	132	5.46	6.9	M	6.6	11.7	--
SDW 474-M01-09Y	5/16/1996	128	5.52	6.8	M	0.7	11.7	--
SDW 474-M01-10P	5/16/1996	180	5.35	8.5	M	1.4	11.6	--
SDW 474-M01-11GN	5/16/1996	92	5.47	8.7	M	0.9	11.5	--
SDW 474-M01-12R	5/16/1996	57	5.44	9.0	M	0.5	11.6	--
SDW 474-M01-13BU	5/16/1996	54	5.33	8.9	M	0.5	11.6	--
SDW 474-M01-14BK	5/16/1996	66	5.37	9.1	M	0.4	11.9	--
SDW 474-M01-15W	5/16/1996	85	5.38	8.7	M	0.3	11.9	--
SDW 474-M01-01PT	7/30/1996	72	5.45	7.7	M	8.6	14.6	--
SDW 474-M01-02GNT	7/30/1996	76	5.07	7.5	M	22.0	13.0	--
SDW 474-M01-03RT	7/30/1996	79	5.16	6.7	M	5.5	12.3	--
SDW 474-M01-04BUT	7/30/1996	84	5.27	6.3	M	13.0	12.7	--
SDW 474-M01-05BKT	7/30/1996	89	5.29	4.5	M	6.0	14.1	--
SDW 474-M01-06WT	7/30/1996	97	5.33	3.9	M	8.0	12.5	--
SDW 474-M01-07O	7/30/1996	118	5.42	6.5	M	8.2	12.9	--
SDW 474-M01-08GY	7/30/1996	146	5.41	7.0	M	7.2	13.3	--
SDW 474-M01-09Y	7/30/1996	99	5.55	7.6	M	0.8	14.1	--
SDW 474-M01-10P	7/30/1996	95	5.53	8.6	M	2.8	14.2	--
SDW 474-M01-11GN	7/30/1996	73	5.48	8.4	M	1.6	13.0	--
SDW 474-M01-12R	7/30/1996	54	5.39	8.4	M	1.1	13.3	--
SDW 474-M01-13BU	7/30/1996	55	5.25	8.5	M	0.8	12.8	--
SDW 474-M01-14BK	7/30/1996	66	5.26	8.6	M	0.7	13.9	--
SDW 474-M01-15W	7/30/1996	85	5.27	8.2	M	0.8	14.1	--
SDW 474-M01-01PT	11/7/1996	109	5.10	8.1	M	8.1	12.8	--
SDW 474-M01-02GNT	11/7/1996	77	4.89	6.0	M	4.7	12.6	--
SDW 474-M01-03RT	11/7/1996	55	5.09	5.8	M	3.1	12.3	--
SDW 474-M01-04BUT	11/7/1996	61	5.24	7.4	M	4.3	11.9	--
SDW 474-M01-05BKT	11/7/1996	73	5.30	6.5	M	2.7	11.7	--
SDW 474-M01-06WT	11/7/1996	101	5.19	4.4	M	2.2	11.4	--

Table 6. Field water-quality analyses for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Locations of wells and multilevel samplers are shown in figure 1. **Dissolved-oxygen method**: C, CHEMetrics colorimetric; M, meter. µS/cm, microsiemen per centimeter at 25 degrees Celsius; mg/L, milligram per liter; NTU, Nephelometric Turbidity Unit; meq/L, milliequivalents per liter; --, no data]

Well or multilevel-sampler port	Date	Specific conduct-ance (µS/cm)	pH (standard units)	Dissolved oxygen (mg/L)	Dissolved oxygen method	Turbidity (NTU)	Temper-ature (degrees Celsius)	Alkalinity (meq/L)
SDW 474-M01-07O	11/7/1996	122	5.30	7.4	M	3.9	11.3	--
SDW 474-M01-08GY	11/7/1996	155	5.29	8.0	M	12.3	11.4	--
SDW 474-M01-09Y	11/7/1996	98	5.39	7.8	M	1.5	11.5	--
SDW 474-M01-10P	11/7/1996	74	5.49	9.3	M	1.8	11.3	--
SDW 474-M01-11GN	11/7/1996	73	5.42	9.4	M	1.5	11.3	--
SDW 474-M01-12R	11/7/1996	59	5.42	9.1	M	1.0	11.4	--
SDW 474-M01-13BU	11/7/1996	56	5.24	9.3	M	1.1	11.3	--
SDW 474-M01-14BK	11/7/1996	65	5.22	9.2	M	1.1	11.4	--
SDW 474-M01-15W	11/7/1996	90	5.30	8.5	M	1.2	11.6	--
SDW 474-M01-01PT	5/8/1997	77	5.16	9.3	M	8.9	10.9	--
SDW 474-M01-02GNT	5/8/1997	68	5.19	6.7	M	12.9	11.3	--
SDW 474-M01-03RT	5/8/1997	62	5.22	5.7	M	7.8	13.3	--
SDW 474-M01-04BUT	5/8/1997	74	5.35	6.1	M	20.4	12.2	--
SDW 474-M01-05BKT	5/8/1997	104	5.31	7.3	M	10.1	12.1	--
SDW 474-M01-06WT	5/8/1997	102	5.31	6.0	M	10.8	12.2	--
SDW 474-M01-07O	5/8/1997	112	5.38	5.8	M	12.4	12.3	--
SDW 474-M01-08GY	5/8/1997	140	5.46	7.4	M	5.4	12.4	--
SDW 474-M01-09Y	5/8/1997	133	5.55	7.3	M	1.0	12.7	--
SDW 474-M01-10P	5/8/1997	123	5.48	8.5	M	3.2	12.4	--
SDW 474-M01-11GN	5/8/1997	74	5.51	9.0	M	2.0	12.0	--
SDW 474-M01-12R	5/8/1997	53	5.54	8.6	M	1.0	12.4	--
SDW 474-M01-13BU	5/8/1997	57	5.34	9.1	M	0.9	12.4	--
SDW 474-M01-14BK	5/8/1997	71	5.38	9.3	M	1.3	12.8	--
SDW 474-M01-15W	5/8/1997	89	5.44	8.6	M	1.0	12.7	--
SDW 474-M01-01PT	8/14/1997	109	4.88	8.3	M	21.7	15.9	--
SDW 474-M01-02GNT	8/14/1997	69	5.28	6.9	M	9.1	14.3	--
SDW 474-M01-03RT	8/14/1997	57	5.23	5.6	M	4.0	13.8	--
SDW 474-M01-04BUT	8/14/1997	49	5.40	5.7	M	7.2	13.5	--
SDW 474-M01-05BKT	8/14/1997	83	5.49	8.0	M	13.6	13.2	--
SDW 474-M01-06WT	8/14/1997	99	5.37	7.3	M	7.5	13.4	--
SDW 474-M01-07O	8/14/1997	113	5.45	5.8	M	82.9	14.1	--
SDW 474-M01-08GY	8/14/1997	143	5.45	6.0	M	10.4	13.8	--
SDW 474-M01-09Y	8/14/1997	96	5.63	7.8	M	2.4	14.5	--
SDW 474-M01-10P	8/14/1997	96	5.66	9.3	M	3.1	13.7	--
SDW 474-M01-11GN	8/14/1997	54	5.60	9.6	M	2.1	13.5	--
SDW 474-M01-12R	8/14/1997	53	5.61	9.5	M	1.8	14.0	--
SDW 474-M01-13BU	8/14/1997	59	5.36	9.6	M	0.9	13.5	--
SDW 474-M01-14BK	8/14/1997	82	5.30	9.4	M	1.0	13.6	--

Table 6. Field water-quality analyses for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Locations of wells and multilevel samplers are shown in figure 1. **Dissolved-oxygen method**: C, CHEMetrics colorimetric; M, meter. µS/cm, microsiemen per centimeter at 25 degrees Celsius; mg/L, milligram per liter; NTU, Nephelometric Turbidity Unit; meq/L, milliequivalents per liter; --, no data]

Well or multilevel-sampler port	Date	Specific conduct-ance (µS/cm)	pH (standard units)	Dissolved oxygen (mg/L)	Dissolved oxygen method	Turbidity (NTU)	Temper-ature (degrees Celsius)	Alkalinity (meq/L)
SDW 474-M01-15W	8/14/1997	89	5.45	9.1	M	1.1	14.3	--
SDW 474-M01-01PT	10/30/1997	81	4.85	7.0	M	4.3	13.6	--
SDW 474-M01-02GNT	10/30/1997	62	5.20	5.7	M	4.1	13.3	--
SDW 474-M01-03RT	10/30/1997	48	5.28	5.0	M	0.5	12.9	--
SDW 474-M01-04BUT	10/30/1997	54	5.40	6.4	M	0.8	12.9	--
SDW 474-M01-05BKT	10/30/1997	78	5.41	7.8	M	1.5	12.2	--
SDW 474-M01-06WT	10/30/1997	89	5.32	6.1	M	0.4	12.2	--
SDW 474-M01-07O	10/30/1997	104	5.41	4.1	M	5.3	12.0	--
SDW 474-M01-08GY	10/30/1997	130	5.44	5.5	M	1.1	11.7	--
SDW 474-M01-09Y	10/30/1997	118	5.50	6.9	M	0.3	11.9	--
SDW 474-M01-10P	10/30/1997	60	5.68	8.4	M	0.6	11.6	--
SDW 474-M01-11GN	10/30/1997	54	5.63	8.4	M	0.3	11.6	--
SDW 474-M01-12R	10/30/1997	54	5.51	8.5	M	0.3	11.5	--
SDW 474-M01-13BU	10/30/1997	62	5.29	8.5	M	1.8	11.2	--
SDW 474-M01-14BK	10/30/1997	84	5.28	8.3	M	0.3	11.3	--
SDW 474-M01-15W	10/30/1997	81	5.50	8.0	M	0.3	11.8	--
SDW 474-M01-01PT	5/18/1998	196	4.69	8.6	M	10.2	12.1	--
SDW 474-M01-02GNT	5/18/1998	93	5.03	6.4	M	27.7	11.5	--
SDW 474-M01-03RT	5/18/1998	58	5.24	7.2	M	8.9	12.4	--
SDW 474-M01-04BUT	5/18/1998	67	5.37	6.3	M	4.0	11.7	--
SDW 474-M01-05BKT	5/18/1998	103	5.35	8.2	M	5.9	13.9	--
SDW 474-M01-06WT	5/18/1998	65	5.46	6.5	M	34.9	13.0	--
SDW 474-M01-07O	5/18/1998	110	5.38	6.2	M	14.9	12.7	--
SDW 474-M01-08GY	5/18/1998	138	5.40	6.8	M	2.9	12.7	--
SDW 474-M01-09Y	5/18/1998	114	5.48	7.4	M	0.7	13.8	--
SDW 474-M01-10P	5/18/1998	72	5.58	7.9	M	1.2	13.6	--
SDW 474-M01-11GN	5/18/1998	58	5.58	8.4	M	1.0	13.4	--
SDW 474-M01-12R	5/18/1998	54	5.55	8.3	M	2.6	13.0	--
SDW 474-M01-13BU	5/18/1998	63	5.26	8.3	M	1.2	13.0	--
SDW 474-M01-14BK	5/18/1998	85	5.25	9.4	M	1.0	13.1	--
SDW 474-M01-15W	5/18/1998	78	5.56	8.5	M	1.1	13.7	--
SDW 474-M01-01PT	11/4/1998	67	5.00	7.3	M	2.6	13.4	--
SDW 474-M01-02GNT	11/4/1998	54	5.43	6.2	M	1.4	12.7	--
SDW 474-M01-03RT	11/4/1998	50	5.44	7.4	M	1.8	12.7	--
SDW 474-M01-04BUT	11/4/1998	55	5.60	7.3	M	5.3	12.3	--
SDW 474-M01-05BKT	11/4/1998	80	5.70	7.2	M	2.4	11.7	--
SDW 474-M01-06WT	11/4/1998	81	5.58	6.5	M	3.3	11.7	--

Table 6. Field water-quality analyses for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Locations of wells and multilevel samplers are shown in figure 1. **Dissolved-oxygen method**: C, CHEMetrics colorimetric; M, meter. µS/cm, microsiemen per centimeter at 25 degrees Celsius; mg/L, milligram per liter; NTU, Nephelometric Turbidity Unit; meq/L, milliequivalents per liter; --, no data]

Well or multilevel-sampler port	Date	Specific conductance (µS/cm)	pH (standard units)	Dissolved oxygen (mg/L)	Dissolved oxygen method	Turbidity (NTU)	Temperature (degrees Celsius)	Alkalinity (meq/L)
SDW 474-M01-07O	11/4/1998	103	5.54	4.8	M	1.9	11.3	--
SDW 474-M01-08GY	11/4/1998	133	5.62	6.3	M	0.8	11.3	--
SDW 474-M01-09Y	11/4/1998	194	5.66	7.1	M	0.9	11.1	--
SDW 474-M01-10P	11/4/1998	262	5.53	8.7	M	0.8	11.5	--
SDW 474-M01-11GN	11/4/1998	237	5.54	7.6	M	0.5	11.7	--
SDW 474-M01-12R	11/4/1998	60	5.72	9.0	M	0.6	11.7	--
SDW 474-M01-13BU	11/4/1998	63	5.42	8.5	M	0.5	11.0	--
SDW 474-M01-14BK	11/4/1998	85	5.46	9.4	M	0.6	11.2	--
SDW 474-M01-15W	11/4/1998	70	5.94	8.1	M	0.5	11.3	--
SDW 474-M01-01PT	6/16/1999	73	4.92	7.8	M	3.1	13.5	0.03
SDW 474-M01-02GNT	6/16/1999	57	5.34	7.4	M	2.2	12.8	0.03
SDW 474-M01-03RT	6/16/1999	97	5.18	8.2	M	3.7	12.6	0.04
SDW 474-M01-04BUT	6/16/1999	112	5.34	8.6	M	1.1	12.9	0.06
SDW 474-M01-05BKT	6/16/1999	84	5.39	8.2	M	2.9	13.2	0.13
SDW 474-M01-06WT	6/16/1999	101	5.32	3.9	M	1.8	13.3	0.13
SDW 474-M01-07O	6/16/1999	134	5.42	6.7	M	4.5	13.8	0.08
SDW 474-M01-08GY	6/16/1999	187	5.43	8.2	M	1.0	13.2	0.06
SDW 474-M01-09Y	6/16/1999	214	5.47	8.3	M	0.7	13.9	0.05
SDW 474-M01-10P	6/16/1999	146	5.58	9.2	M	0.8	12.8	0.09
SDW 474-M01-11GN	6/16/1999	198	5.44	9.2	M	0.9	12.5	0.04
SDW 474-M01-12R	6/16/1999	87	5.44	9.6	M	1.1	13.3	0.04
SDW 474-M01-13BU	6/16/1999	62	5.28	10.0	M	0.7	12.9	0.03
SDW 474-M01-14BK	6/16/1999	83	5.28	10.1	M	0.5	12.7	0.04
SDW 474-M01-15W	6/16/1999	79	5.78	9.7	M	0.6	13.0	0.09
SDW 474-M01-01PT	6/12/2000	105	4.72	9.4	M	1.6	12.0	0.00
SDW 474-M01-02GNT	6/12/2000	49	5.35	6.6	M	4.5	11.6	0.05
SDW 474-M01-03RT	6/12/2000	72	5.14	7.3	M	2.4	11.6	0.04
SDW 474-M01-04BUT	6/12/2000	86	5.20	7.1	M	2.2	11.6	0.06
SDW 474-M01-05BKT	6/12/2000	75	5.28	5.7	M	2.3	11.9	0.10
SDW 474-M01-06WT	6/12/2000	97	5.28	7.0	M	3.7	11.8	0.05
SDW 474-M01-07O	6/12/2000	109	5.54	8.6	M	3.8	12.1	0.09
SDW 474-M01-08GY	6/12/2000	121	5.57	8.3	M	2.8	12.0	0.06
SDW 474-M01-09Y	6/12/2000	129	5.57	8.7	M	1.0	12.3	0.09
SDW 474-M01-10P	6/12/2000	92	5.68	9.0	M	1.1	12.0	0.06
SDW 474-M01-11GN	6/12/2000	63	5.11	9.6	M	2.0	11.9	0.05
SDW 474-M01-12R	6/12/2000	46	5.60	9.9	M	0.9	11.8	0.03
SDW 474-M01-13BU	6/12/2000	64	5.26	10.3	M	0.9	12.1	0.03
SDW 474-M01-14BK	6/12/2000	70	5.34	9.8	M	0.9	12.0	0.03

Table 6. Field water-quality analyses for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Locations of wells and multilevel samplers are shown in figure 1. **Dissolved-oxygen method**: C, CHEMetrics colorimetric; M, meter. µS/cm, microsiemen per centimeter at 25 degrees Celsius; mg/L, milligram per liter; NTU, Nephelometric Turbidity Unit; meq/L, milliequivalents per liter; --, no data]

Well or multilevel-sampler port	Date	Specific conduct-ance (µS/cm)	pH (standard units)	Dissolved oxygen (mg/L)	Dissolved oxygen method	Turbidity (NTU)	Temper-ature (degrees Celsius)	Alkalinity (meq/L)
SDW 474-M01-15W	6/12/2000	58	5.78	10.3	M	0.9	12.3	0.14
SDW 474-M01-01PT	6/17/2002	--	--	--	--	--	--	--
SDW 474-M01-02GNT	6/17/2002	74	5.26	8.0	M	1.2	13.3	0.03
SDW 474-M01-03RT	6/17/2002	113	5.11	7.9	M	0.4	12.8	0.03
SDW 474-M01-04BUT	6/17/2002	132	5.23	8.3	M	2.9	12.8	0.02
SDW 474-M01-05BKT	6/17/2002	175	5.22	9.0	M	1.6	12.9	0.04
SDW 474-M01-06WT	6/17/2002	163	5.33	8.6	M	1.3	12.6	0.05
SDW 474-M01-07O	6/17/2002	143	5.54	9.5	M	8.3	12.6	0.08
SDW 474-M01-08GY	6/17/2002	160	5.49	9.3	M	1.7	13.4	0.06
SDW 474-M01-09Y	6/17/2002	197	5.42	9.5	M	0.5	13.3	0.06
SDW 474-M01-10P	6/17/2002	218	5.36	9.3	M	1.1	13.7	0.06
SDW 474-M01-11GN	6/17/2002	151	5.43	10.0	M	0.5	12.9	0.03
SDW 474-M01-12R	6/17/2002	85	5.52	10.2	M	0.2	13.0	0.04
SDW 474-M01-13BU	6/17/2002	64	5.25	10.3	M	0.3	13.0	0.00
SDW 474-M01-14BK	6/17/2002	79	5.32	10.1	M	0.3	13.5	0.02
SDW 474-M01-15W	6/17/2002	73	5.89	10.1	M	0.9	13.7	0.03
SDW 474-M01-01PT	5/30/2003	87	5.12	10.4	M	18.2	11.5	0.01
SDW 474-M01-02GNT	5/30/2003	71	5.20	8.2	M	1.0	11.3	0.05
SDW 474-M01-03RT	5/30/2003	89	5.07	8.4	M	0.9	11.4	0.03
SDW 474-M01-04BUT	5/30/2003	140	5.07	8.2	M	5.1	11.6	0.06
SDW 474-M01-05BKT	5/30/2003	186	5.07	8.8	M	1.4	11.9	0.03
SDW 474-M01-06WT	5/30/2003	186	5.13	8.7	M	1.0	12.1	0.02
SDW 474-M01-07O	5/30/2003	158	5.37	8.9	M	2.2	12.2	0.07
SDW 474-M01-08GY	5/30/2003	264	5.28	9.1	M	0.6	12.2	0.05
SDW 474-M01-09Y	5/30/2003	355	5.25	9.0	M	0.3	12.2	0.02
SDW 474-M01-10P	5/30/2003	241	5.42	9.5	M	0.5	12.2	0.03
SDW 474-M01-11GN	5/30/2003	231	5.37	9.8	M	0.4	12.0	0.04
SDW 474-M01-12R	5/30/2003	126	5.40	9.5	M	0.2	11.9	0.03
SDW 474-M01-13BU	5/30/2003	122	5.03	10.0	M	0.3	11.9	0.00
SDW 474-M01-14BK	5/30/2003	130	5.11	8.7	M	1.4	11.8	0.02
SDW 474-M01-15W	5/30/2003	122	5.70	9.5	M	0.3	12.3	0.07
SDW 474-M01-01PT	8/26/2004	64	4.91	8.6	M	0.4	13.9	0.01
SDW 474-M01-02GNT	8/26/2004	58	5.33	8.3	M	0.6	13.1	0.04
SDW 474-M01-03RT	8/26/2004	62	5.16	9.1	M	0.7	12.6	0.03
SDW 474-M01-04BUT	8/26/2004	81	5.24	9.3	M	1.3	12.4	0.03
SDW 474-M01-05BKT	8/26/2004	119	5.44	9.8	M	9.6	11.6	0.07
SDW 474-M01-06WT	8/26/2004	125	5.47	9.7	M	--	12.1	0.08

Table 6. Field water-quality analyses for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Locations of wells and multilevel samplers are shown in figure 1. **Dissolved-oxygen method**: C, CHEMetrics colorimetric; M, meter. µS/cm, microsiemen per centimeter at 25 degrees Celsius; mg/L, milligram per liter; NTU, Nephelometric Turbidity Unit; meq/L, milliequivalents per liter; --, no data]

Well or multilevel-sampler port	Date	Specific conductance (µS/cm)	pH (standard units)	Dissolved oxygen (mg/L)	Dissolved oxygen method	Turbidity (NTU)	Temperature (degrees Celsius)	Alkalinity (meq/L)
SDW 474-M01-07O	8/26/2004	103	5.54	9.8	M	5.9	12.1	0.08
SDW 474-M01-08GY	8/26/2004	103	5.69	9.7	M	4.7	12.6	0.09
SDW 474-M01-09Y	8/26/2004	118	5.71	9.7	M	0.8	12.6	0.09
SDW 474-M01-10P	8/26/2004	179	5.55	10.6	M	1.4	12.6	0.07
SDW 474-M01-11GN	8/26/2004	273	5.37	10.8	M	1.7	12.1	0.03
SDW 474-M01-12R	8/26/2004	242	5.37	10.7	M	0.6	12.4	0.03
SDW 474-M01-13BU	8/26/2004	296	4.97	10.9	M	0.9	12.4	0.01
SDW 474-M01-14BK	8/26/2004	200	5.18	10.7	M	1.8	12.3	0.02
SDW 474-M01-15W	8/26/2004	160	5.80	10.5	M	2.1	12.3	0.13
SDW 521-M01-01PT	8/14/2001	113	5.40	8.8	M	5.7	13.0	--
SDW 521-M01-02GNT	8/14/2001	112	4.86	8.6	M	1.1	12.7	--
SDW 521-M01-03RT	8/14/2001	119	5.68	7.4	M	5.1	12.6	--
SDW 521-M01-04BUT	8/14/2001	87	5.66	7.4	M	4.1	12.6	--
SDW 521-M01-05BKT	8/14/2001	90	5.43	6.7	M	1.1	12.8	--
SDW 521-M01-06WT	8/14/2001	100	5.28	5.6	M	1.5	12.9	--
SDW 521-M01-07O	8/14/2001	158	5.71	0.11	C	1.7	13.2	--
SDW 521-M01-08GY	8/14/2001	154	5.81	0.18	C	1.4	13.1	--
SDW 521-M01-09Y	8/14/2001	141	5.84	0.20	C	2.0	13.2	--
SDW 521-M01-10P	8/14/2001	92	5.56	5.6	M	1.9	13.4	--
SDW 521-M01-11GN	8/14/2001	70	5.50	8.2	M	2.1	13.6	--
SDW 521-M01-12R	8/14/2001	105	5.49	9.2	M	2.4	13.6	--
SDW 521-M01-13BU	8/14/2001	82	5.77	9.2	M	1.7	13.8	--
SDW 521-M01-14BK	8/14/2001	84	5.73	9.4	M	2.0	14.0	--
SDW 521-M01-15W	8/14/2001	93	5.86	9.1	M	1.6	14.6	--
SDW 521-M01-01PT	6/17/2002	--	--	--	--	--	--	--
SDW 521-M01-02GNT	6/17/2002	93	4.84	8.1	M	0.3	13.0	--
SDW 521-M01-03RT	6/17/2002	90	5.76	7.8	M	1.7	12.8	--
SDW 521-M01-04BUT	6/17/2002	79	5.73	7.1	M	1.3	13.4	--
SDW 521-M01-05BKT	6/17/2002	84	5.50	6.4	M	0.8	13.5	--
SDW 521-M01-06WT	6/17/2002	88	5.36	4.8	M	0.3	13.4	--
SDW 521-M01-07O	6/17/2002	137	5.82	0.12	C	0.1	13.1	--
SDW 521-M01-08GY	6/17/2002	152	5.87	0.22	C	0.3	13.7	--
SDW 521-M01-09Y	6/17/2002	142	5.32	5.3	M	1.3	13.2	--
SDW 521-M01-10P	6/17/2002	134	5.31	6.5	M	0.4	13.1	--
SDW 521-M01-11GN	6/17/2002	91	5.36	8.2	M	0.9	13.1	--
SDW 521-M01-12R	6/17/2002	54	5.68	8.8	M	0.5	13.2	--
SDW 521-M01-13BU	6/17/2002	61	5.82	9.1	M	0.4	13.5	--
SDW 521-M01-14BK	6/17/2002	80	5.75	8.8	M	1.2	14.5	--

Table 6. Field water-quality analyses for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Locations of wells and multilevel samplers are shown in figure 1. **Dissolved-oxygen method**: C, CHEMetrics colorimetric; M, meter. µS/cm, microsiemen per centimeter at 25 degrees Celsius; mg/L, milligram per liter; NTU, Nephelometric Turbidity Unit; meq/L, milliequivalents per liter; --, no data]

Well or multilevel-sampler port	Date	Specific conduct-ance (µS/cm)	pH (standard units)	Dissolved oxygen (mg/L)	Dissolved oxygen method	Turbidity (NTU)	Temper-ature (degrees Celsius)	Alkalinity (meq/L)
SDW 521-M01-15W	6/17/2002	78	5.87	9.2	M	0.4	13.2	--
SDW 521-M01-01PT	6/3/2003	76	5.50	8.8	M	7.4	11.3	--
SDW 521-M01-02GNT	6/3/2003	98	5.82	8.2	M	0.3	11.1	--
SDW 521-M01-03RT	6/3/2003	133	5.84	7.1	M	1.0	11.8	--
SDW 521-M01-04BUT	6/3/2003	103	5.60	7.0	M	1.0	12.0	--
SDW 521-M01-05BKT	6/3/2003	76	5.49	7.0	M	0.7	12.4	--
SDW 521-M01-06WT	6/3/2003	93	5.28	5.0	M	0.7	12.1	--
SDW 521-M01-07O	6/3/2003	128	5.56	0.21	C	0.1	12.6	--
SDW 521-M01-08GY	6/3/2003	125	5.17	3.3	M	0.5	12.7	--
SDW 521-M01-09Y	6/3/2003	148	5.23	6.4	M	0.7	12.6	--
SDW 521-M01-10P	6/3/2003	194	5.16	9.2	M	0.4	12.2	--
SDW 521-M01-11GN	6/3/2003	158	5.08	8.3	M	0.4	12.7	--
SDW 521-M01-12R	6/3/2003	78	5.34	8.7	M	0.6	12.3	--
SDW 521-M01-13BU	6/3/2003	66	5.57	7.2	M	0.5	12.6	--
SDW 521-M01-14BK	6/3/2003	78	5.57	8.8	M	0.5	12.3	--
SDW 521-M01-15W	6/3/2003	72	5.73	9.3	M	0.5	12.9	--
SDW 521-M01-01PT	7/26/2004	75	5.48	7.3	M	1.4	12.9	--
SDW 521-M01-02GNT	7/26/2004	89	4.83	8.3	M	0.6	12.9	--
SDW 521-M01-03RT	7/26/2004	94	6.01	7.9	M	0.5	13.3	--
SDW 521-M01-04BUT	7/26/2004	98	5.69	8.0	M	0.3	13.5	--
SDW 521-M01-05BKT	7/26/2004	119	5.35	8.6	M	0.5	13.6	--
SDW 521-M01-06WT	7/26/2004	107	5.30	7.0	M	1.5	13.3	--
SDW 521-M01-07O	7/26/2004	105	5.21	4.4	M	1.2	13.6	--
SDW 521-M01-08GY	7/26/2004	123	5.25	6.3	M	1.0	13.4	--
SDW 521-M01-09Y	7/26/2004	177	5.27	7.6	M	4.4	13.6	--
SDW 521-M01-09P	7/26/2004	250	5.29	8.7	M	0.8	13.3	--
SDW 521-M01-11GN	7/26/2004	205	5.15	9.4	M	0.9	13.1	--
SDW 521-M01-12R	7/26/2004	158	5.31	9.8	M	0.5	12.9	--
SDW 521-M01-13BU	7/26/2004	169	5.56	9.8	M	1.1	13.3	--
SDW 521-M01-14BK	7/26/2004	97	5.67	9.7	M	0.8	13.5	--
SDW 521-M01-15W	7/26/2004	77	5.88	9.6	M	1.0	14.0	--

Table 7. Concentrations of anions and ammonium for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994–2004.

[Source of data: Richard L. Smith and Deborah A. Repert, U.S. Geological Survey, National Research Program, Boulder, CO. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; µM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Nitrate, dissolved (µM)	Nitrite, dissolved (µM)	Ammonium, dissolved (µM)	Chloride, dissolved (µM)	Sulfate, dissolved (µM)
FSW 343-M01-01PT	11/29/1994	<5	0.7	76	--	231
FSW 343-M01-02GNT	11/29/1994	<5	<0.7	101	--	133
FSW 343-M01-03RT	11/29/1994	<5	<0.7	14	--	117
FSW 343-M01-04BUT	11/29/1994	<5	<0.7	25	--	123
FSW 343-M01-05BKT	11/29/1994	61	<0.7	10	--	50
FSW 343-M01-06WT	11/29/1994	42	<0.7	8	--	137
FSW 343-M01-06WT-D	11/29/1994	42	<0.7	8	--	138
FSW 343-M01-07O	11/29/1994	37	<0.7	9	--	137
FSW 343-M01-08GY	11/29/1994	52	<0.7	9	--	76
FSW 343-M01-09Y	11/29/1994	43	<0.7	7	--	95
FSW 343-M01-10P	11/29/1994	56	<0.7	14	--	118
FSW 343-M01-11GN	11/29/1994	57	<0.7	14	--	109
FSW 343-M01-12R	11/29/1994	54	<0.7	9	--	119
FSW 343-M01-13BU	11/29/1994	50	<0.7	8	--	139
FSW 343-M01-14BK	11/29/1994	48	<0.7	9	--	133
FSW 343-M01-15W	11/29/1994	55	<0.7	8	--	150
FSW 343-M02-01PT	11/29/1994	1252	0.7	17	--	263
FSW 343-M02-02GNT	11/29/1994	1275	7.1	9	--	272
FSW 343-M02-03RT	11/29/1994	1413	8.6	18	--	297
FSW 343-M02-04BUT	11/29/1994	729	2.9	9	--	276
FSW 343-M02-05BKT	11/29/1994	442	<0.7	66	--	287
FSW 343-M02-06WT	11/29/1994	683	<0.7	23	--	303
FSW 343-M02-07O	11/29/1994	698	35.0	9	--	308
FSW 343-M02-07O-D	11/29/1994	706	35.7	10	--	303
FSW 343-M02-08GY	11/29/1994	<5	0.7	49	--	279
FSW 343-M02-09Y	11/29/1994	<5	<0.7	108	--	281
FSW 343-M02-10P	11/29/1994	<5	<0.7	94	--	261
FSW 343-M02-11GN	11/29/1994	<5	<0.7	79	--	258
FSW 343-M02-12R	11/29/1994	<5	<0.7	41	--	259
FSW 343-M02-13BU	11/29/1994	<5	<0.7	31	--	185
FSW 343-M02-14BK	11/29/1994	<5	<0.7	74	--	179
FSW 343-M02-15W	11/29/1994	<5	<0.7	46	--	95
FSW 343-M03-01PT (1-19)	11/29/1994	--	--	--	--	--
FSW 343-M03-02GNT (1-19)	11/29/1994	5	<0.7	14	--	70
FSW 343-M03-03RT (1-19)	11/29/1994	73	<0.7	12	--	57

Table 7. Concentrations of anions and ammonium for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Nitrate, dissolved (µM)	Nitrite, dissolved (µM)	Ammonium, dissolved (µM)	Chloride, dissolved (µM)	Sulfate, dissolved (µM)
FSW 343-M03-04BUT (1-19)	11/29/1994	264	<0.7	6	--	117
FSW 343-M03-05BKT (1-19)	11/29/1994	445	<0.7	8	--	167
FSW 343-M03-06WT (1-19)	11/29/1994	482	<0.7	12	--	192
FSW 343-M03-07O (1-19)	11/29/1994	550	<0.7	78	--	194
FSW 343-M03-08GY (1-19)	11/29/1994	613	<0.7	36	--	206
FSW 343-M03-09Y (1-19)	11/29/1994	584	<0.7	9	--	216
FSW 343-M03-09Y (1-19)-D	11/29/1994	564	<0.7	9	--	217
FSW 343-M03-10P (1-19)	11/29/1994	771	<0.7	9	--	239
FSW 343-M03-11GN (1-19)	11/29/1994	1167	<0.7	10	--	257
FSW 343-M03-12R (1-19)	11/29/1994	959	0.7	11	--	280
FSW 343-M03-13BU (1-19)	11/29/1994	577	4.3	10	--	288
FSW 343-M03-14BK (1-19)	11/29/1994	921	3.6	11	--	286
FSW 343-M03-15W (1-19)	11/29/1994	1436	3.6	11	--	279
FSW 343-M01-01PT	6/18/1996	<5	<0.7	28	1213	187
FSW 343-M01-02GNT	6/18/1996	<5	<0.7	24	1446	212
FSW 343-M01-03RT	6/18/1996	34	2.2	13	873	134
FSW 343-M01-04BUT	6/18/1996	168	7.3	10	697	109
FSW 343-M01-05BKT	6/18/1996	105	1.3	<5	621	115
FSW 343-M01-06WT	6/18/1996	119	<0.7	<5	568	70
FSW 343-M01-07O	6/18/1996	53	<0.7	6	850	113
FSW 343-M01-08GY	6/18/1996	32	<0.7	4	554	138
FSW 343-M01-08GY-D	6/18/1996	37	<0.7	10	645	163
FSW 343-M01-09Y	6/18/1996	36	<0.7	17	311	194
FSW 343-M01-10P	6/18/1996	45	<0.7	13	160	133
FSW 343-M01-11GN	6/18/1996	53	<0.7	6	138	109
FSW 343-M01-12R	6/18/1996	164	<0.7	7	164	152
FSW 343-M01-14BK	6/18/1996	54	<0.7	23	159	137
FSW 343-M01-15W	6/18/1996	66	<0.7	<5	182	181
FSW 343-M02-01PT	6/17/1996	1119	2.4	11	1040	244
FSW 343-M02-02GNT	6/17/1996	1526	5.9	14	1519	293
FSW 343-M02-02GNT-D	6/17/1996	1541	5.9	24	1494	287
FSW 343-M02-03RT	6/17/1996	1534	11.1	16	1535	294
FSW 343-M02-04BUT	6/18/1996	963	2.3	10	1374	285
FSW 343-M02-05BKT	6/18/1996	931	5.9	12	1186	264
FSW 343-M02-06WT	6/18/1996	1007	<0.7	37	1463	298

Table 7. Concentrations of anions and ammonium for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Nitrate, dissolved (µM)	Nitrite, dissolved (µM)	Ammonium, dissolved (µM)	Chloride, dissolved (µM)	Sulfate, dissolved (µM)
FSW 343-M02-07O	6/18/1996	818	<0.7	52	1628	302
FSW 343-M02-08GY	6/18/1996	597	50.8	18	1412	307
FSW 343-M02-09Y	6/18/1996	<5	0.9	39	1490	304
FSW 343-M02-10P	6/18/1996	<5	<0.7	47	1382	293
FSW 343-M02-11GN	6/18/1996	<5	<0.7	38	1133	259
FSW 343-M02-11GN-D	6/18/1996	<5	<0.7	40	1075	251
FSW 343-M02-12R	6/18/1996	<5	<0.7	23	1238	244
FSW 343-M02-13BU	6/18/1996	<5	<0.7	25	1593	296
FSW 343-M02-14BK	6/18/1996	<5	<0.7	28	971	203
FSW 343-M02-15W	6/18/1996	<5	<0.7	19	1464	273
FSW 343-M03-01PT (1-19)	6/17/1996	<5	<0.7	<5	269	64
FSW 343-M03-02GNT (1-19)	6/17/1996	<5	<0.7	<5	226	65
FSW 343-M03-03RT (1-19)	6/17/1996	<5	<0.7	18	308	63
FSW 343-M03-04BUT (1-19)	6/17/1996	84	<0.7	10	375	83
FSW 343-M03-05BKT (1-19)	6/17/1996	214	<0.7	<5	392	103
FSW 343-M03-05BKT (1-19)-D	6/17/1996	211	<0.7	<5	388	102
FSW 343-M03-06WT (1-19)	6/17/1996	420	<0.7	<5	518	145
FSW 343-M03-07O (1-19)	6/17/1996	530	<0.7	8	567	147
FSW 343-M03-08GY (1-19)	6/17/1996	807	<0.7	20	733	221
FSW 343-M03-09Y (1-19)	6/17/1996	1445	<0.7	11	1422	288
FSW 343-M03-10P (1-19)	6/17/1996	1576	1.6	15	1559	301
FSW 343-M03-11GN (1-19)	6/17/1996	1587	2.6	15	1568	327
FSW 343-M03-12R (1-19)	6/17/1996	324	0.8	<5	312	92
FSW 343-M03-13BU (1-19)	6/17/1996	1180	3.3	12	1097	278
FSW 343-M03-14BK (1-19)	6/17/1996	1206	5.8	10	1201	271
FSW 343-M03-14BK (1-19)-D	6/17/1996	1532	5.3	7	1515	297
FSW 343-M03-15W (1-19)	6/17/1996	1482	6.7	17	1547	297
FSW 343-M01-01PT	11/18/1996	<5	<0.7	<5	1216	301
FSW 343-M01-02GNT	11/18/1996	<5	<0.7	<5	1228	267
FSW 343-M01-03RT	11/18/1996	374	28.1	<5	1095	222
FSW 343-M01-04BUT	11/18/1996	233	18.3	<5	869	143
FSW 343-M01-04BUT-D	11/18/1996	241	18.3	<5	888	151
FSW 343-M01-05BKT	11/18/1996	356	<0.7	<5	976	194
FSW 343-M01-06WT	11/18/1996	120	<0.7	<5	677	49
FSW 343-M01-07O	11/18/1996	68	<0.7	<5	727	64

Table 7. Concentrations of anions and ammonium for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Nitrate, dissolved (µM)	Nitrite, dissolved (µM)	Ammonium, dissolved (µM)	Chloride, dissolved (µM)	Sulfate, dissolved (µM)
FSW 343-M01-08GY	11/18/1996	163	<0.7	<5	250	38
FSW 343-M01-09Y	11/18/1996	108	<0.7	<5	166	42
FSW 343-M01-10P	11/18/1996	109	<0.7	5	157	48
FSW 343-M01-11GN	11/18/1996	107	<0.7	<5	143	54
FSW 343-M01-12R	11/18/1996	136	<0.7	<5	165	55
FSW 343-M01-14BK	11/18/1996	152	<0.7	<5	194	55
FSW 343-M01-14BK-D	11/18/1996	154	<0.7	<5	183	53
FSW 343-M01-15W	11/18/1996	63	<0.7	<5	180	63
FSW 343-M02-01PT	11/18/1996	1141	3.2	<5	1264	258
FSW 343-M02-02GNT	11/18/1996	1216	4.1	<5	1543	292
FSW 343-M02-03RT	11/18/1996	1320	3.1	<5	1588	276
FSW 343-M02-04BUT	11/18/1996	1020	<0.7	196	1341	261
FSW 343-M02-05BKT	11/18/1996	890	1.1	<5	1565	262
FSW 343-M02-06WT	11/18/1996	877	18.6	<5	1618	277
FSW 343-M02-07O	11/18/1996	377	54.3	<5	1567	299
FSW 343-M02-07O-D	11/18/1996	376	54.0	<5	1601	299
FSW 343-M02-08GY	11/18/1996	<5	28.3	<5	1490	289
FSW 343-M02-09Y	11/18/1996	<5	<0.7	<5	1590	296
FSW 343-M02-10P	11/18/1996	<5	<0.7	40	1412	303
FSW 343-M02-11GN	11/18/1996	<5	<0.7	<5	1390	288
FSW 343-M02-12R	11/18/1996	<5	<0.7	<5	1382	256
FSW 343-M02-13BU	11/18/1996	<5	<0.7	<5	1038	254
FSW 343-M02-14BK	11/18/1996	<5	<0.7	<5	1149	247
FSW 343-M02-15W	11/18/1996	<5	<0.7	<5	1048	217
FSW 343-M03-01PT (1-19)	11/18/1996	<5	<0.7	<5	228	60
FSW 343-M03-01PT (1-19)-D	11/18/1996	<5	<0.7	<5	232	61
FSW 343-M03-02GNT (1-19)	11/18/1996	<5	<0.7	<5	269	71
FSW 343-M03-03RT (1-19)	11/18/1996	<5	<0.7	<5	233	72
FSW 343-M03-04BUT (1-19)	11/18/1996	<5	<0.7	<5	365	71
FSW 343-M03-05BKT (1-19)	11/18/1996	19	<0.7	<5	316	72
FSW 343-M03-06WT (1-19)	11/18/1996	50	<0.7	<5	269	80
FSW 343-M03-07O (1-19)	11/18/1996	91	<0.7	<5	246	85
FSW 343-M03-08GY (1-19)	11/18/1996	207	<0.7	6	286	103
FSW 343-M03-09Y (1-19)	11/18/1996	419	0.9	<5	448	144
FSW 343-M03-10P (1-19)	11/18/1996	728	4.0	<5	752	208

Table 7. Concentrations of anions and ammonium for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Source of data: Richard L. Smith and Deborah A. Repert, U.S. Geological Survey, National Research Program, Boulder, CO. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; µM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Nitrate, dissolved (µM)	Nitrite, dissolved (µM)	Ammonium, dissolved (µM)	Chloride, dissolved (µM)	Sulfate, dissolved (µM)
FSW 343-M03-10P (1-19)-D	11/18/1996	735	4.0	<5	754	207
FSW 343-M03-11GN (1-19)	11/18/1996	890	4.6	<5	901	232
FSW 343-M03-12R (1-19)	11/18/1996	1044	4.4	<5	1120	276
FSW 343-M03-13BU (1-19)	11/18/1996	1184	4.9	<5	1346	304
FSW 343-M03-14BK (1-19)	11/18/1996	1193	6.8	<5	1446	325
FSW 343-M03-15W (1-19)	11/18/1996	1159	6.1	<5	1529	355
FSW 343-M01-01PT	2/19/1997	--	--	--	--	--
FSW 343-M01-02GNT	2/19/1997	5	<0.7	14	1217	222
FSW 343-M01-03RT	2/19/1997	65	23.2	12	811	125
FSW 343-M01-04BUT	2/19/1997	78	15.8	7	658	134
FSW 343-M01-05BKT	2/19/1997	152	<0.7	6	400	114
FSW 343-M01-05BKT-D	2/19/1997	152	<0.7	5	398	115
FSW 343-M01-06WT	2/19/1997	42	<0.7	<5	138	107
FSW 343-M01-07O	2/19/1997	35	<0.7	6	394	172
FSW 343-M01-08GY	2/19/1997	42	<0.7	<5	160	142
FSW 343-M01-09Y	2/19/1997	45	<0.7	<5	175	153
FSW 343-M01-10P	2/19/1997	47	<0.7	<5	170	189
FSW 343-M02-01PT	2/19/1997	--	--	--	--	--
FSW 343-M02-02GNT	2/19/1997	--	--	--	--	--
FSW 343-M02-03RT	2/19/1997	1274	3.5	56	1730	278
FSW 343-M02-04BUT	2/19/1997	1038	<0.7	140	1772	280
FSW 343-M02-05BKT	2/19/1997	916	<0.7	129	1701	279
FSW 343-M02-06WT	2/19/1997	791	4.6	12	1658	277
FSW 343-M02-07O	2/19/1997	776	38.5	10	1621	281
FSW 343-M02-08GY	2/19/1997	750	49.9	20	1608	279
FSW 343-M02-08GY-D	2/19/1997	747	49.6	19	1574	280
FSW 343-M02-09Y	2/19/1997	50	8.7	21	1588	280
FSW 343-M02-10P	2/19/1997	<5	<0.7	38	1254	252
FSW 343-M02-11GN	2/19/1997	<5	<0.7	36	1501	291
FSW 343-M02-12R	2/19/1997	<5	<0.7	28	1346	268
FSW 343-M02-13BU	2/19/1997	<5	<0.7	29	1335	247
FSW 343-M02-14BK	2/19/1997	<5	<0.7	28	1371	244
FSW 343-M02-15W	2/19/1997	<5	<0.7	15	1348	242
FSW 343-M03-01PT (1-19)	2/19/1997	<5	<0.7	<5	144	72

Table 7. Concentrations of anions and ammonium for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Source of data: Richard L. Smith and Deborah A. Repert, U.S. Geological Survey, National Research Program, Boulder, CO. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; µM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Nitrate, dissolved (µM)	Nitrite, dissolved (µM)	Ammonium, dissolved (µM)	Chloride, dissolved (µM)	Sulfate, dissolved (µM)
FSW 343-M03-02GNT (1-19)	2/19/1997	<5	<0.7	<5	289	80
FSW 343-M03-02GNT (1-19)-D	2/19/1997	<5	<0.7	<5	294	80
FSW 343-M03-03RT (1-19)	2/19/1997	<5	<0.7	<5	347	68
FSW 343-M03-04BUT (1-19)	2/19/1997	19	<0.7	<5	268	64
FSW 343-M03-05BKT (1-19)	2/19/1997	122	<0.7	<5	218	76
FSW 343-M03-06WT (1-19)	2/19/1997	209	<0.7	<5	217	79
FSW 343-M03-07O (1-19)	2/19/1997	461	<0.7	<5	414	106
FSW 343-M03-08GY (1-19)	2/19/1997	620	1.8	<5	567	129
FSW 343-M03-09Y (1-19)	2/19/1997	685	4.3	5	651	152
FSW 343-M03-10P (1-19)	2/19/1997	1102	5.9	13	1071	207
FSW 343-M03-11GN (1-19)	2/19/1997	1403	7.3	15	1398	242
FSW 343-M03-11GN (1-19)-D	2/19/1997	1390	7.3	17	1391	243
FSW 343-M03-12R (1-19)	2/19/1997	1472	8.2	17	1502	256
FSW 343-M03-13BU (1-19)	2/19/1997	1483	9.0	20	1536	260
FSW 343-M03-14BK (1-19)	2/19/1997	1494	8.0	22	1562	265
FSW 343-M03-15W (1-19)	2/19/1997	1492	2.9	20	1586	258
FSW 343-M01-01PT	5/14/1997	--	--	--	--	--
FSW 343-M01-02GNT	5/14/1997	<5	<0.7	11	744	142
FSW 343-M01-03RT	5/14/1997	61	24.4	8	593	100
FSW 343-M01-04BUT	5/14/1997	72	8.8	8	553	104
FSW 343-M01-05BKT	5/14/1997	57	<0.7	7	378	144
FSW 343-M01-06WT	5/14/1997	40	<0.7	7	143	94
FSW 343-M01-07O	5/14/1997	44	<0.7	<5	149	107
FSW 343-M01-08GY	5/14/1997	47	<0.7	<5	157	110
FSW 343-M01-09Y	5/14/1997	45	<0.7	<5	179	207
FSW 343-M01-09Y-D	5/14/1997	45	<0.7	<5	180	208
FSW 343-M01-10P	5/14/1997	43	<0.7	<5	158	226
FSW 343-M02-01PT	5/15/1997	--	--	--	--	--
FSW 343-M02-02GNT	5/15/1997	--	--	--	--	--
FSW 343-M02-03RT	5/15/1997	1134	5.1	62	1598	231
FSW 343-M02-03RT-D	5/15/1997	1150	5.4	66	1631	227
FSW 343-M02-04BUT	5/15/1997	388	<0.7	65	1064	210
FSW 343-M02-05BKT	5/15/1997	<5	<0.7	111	889	147
FSW 343-M02-06WT	5/15/1997	<5	<0.7	72	1254	146
FSW 343-M02-07O	5/15/1997	527	7.4	18	1498	218

Table 7. Concentrations of anions and ammonium for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Source of data: Richard L. Smith and Deborah A. Repert, U.S. Geological Survey, National Research Program, Boulder, CO. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; µM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Nitrate, dissolved (µM)	Nitrite, dissolved (µM)	Ammonium, dissolved (µM)	Chloride, dissolved (µM)	Sulfate, dissolved (µM)
FSW 343-M02-08GY	5/15/1997	995	31.8	16	1711	331
FSW 343-M02-09Y	5/15/1997	687	53.8	16	1523	248
FSW 343-M02-10P	5/15/1997	<5	<0.7	21	1010	201
FSW 343-M02-11GN	5/15/1997	<5	<0.7	24	1346	271
FSW 343-M02-12R	5/15/1997	<5	<0.7	17	1225	215
FSW 343-M02-12R-D	5/15/1997	<5	<0.7	15	1175	213
FSW 343-M02-13BU	5/15/1997	<5	<0.7	10	687	142
FSW 343-M02-14BK	5/15/1997	<5	<0.7	12	647	117
FSW 343-M02-15W	5/15/1997	<5	<0.7	8	629	156
FSW 343-M03-01PT (1-19)	5/15/1997	<5	<0.7	<5	220	65
FSW 343-M03-02GNT (1-19)	5/15/1997	<5	<0.7	<5	228	87
FSW 343-M03-03RT (1-19)	5/15/1997	<5	<0.7	<5	326	74
FSW 343-M03-04BUT (1-19)	5/15/1997	36	<0.7	<5	288	80
FSW 343-M03-05BKT (1-19)	5/15/1997	85	<0.7	5	218	78
FSW 343-M03-06WT (1-19)	5/15/1997	142	<0.7	<5	206	83
FSW 343-M03-06WT (1-19)-D	5/15/1997	142	<0.7	6	211	81
FSW 343-M03-07O (1-19)	5/15/1997	307	<0.7	<5	251	124
FSW 343-M03-08GY (1-19)	5/15/1997	424	<0.7	6	286	141
FSW 343-M03-09Y (1-19)	5/15/1997	761	<0.7	<5	487	139
FSW 343-M03-10P (1-19)	5/15/1997	1360	1.0	<5	847	214
FSW 343-M03-11GN (1-19)	5/15/1997	1483	3.8	<5	1076	227
FSW 343-M03-12R (1-19)	5/15/1997	1535	5.3	<5	1175	213
FSW 343-M03-13BU (1-19)	5/15/1997	1466	6.3	<5	1189	259
FSW 343-M03-14BK (1-19)	5/15/1997	1442	7.3	<5	1398	243
FSW 343-M03-15W (1-19)	5/15/1997	1242	8.7	<5	1429	252
FSW 343-M01-01PT	8/6/1997	--	--	--	--	--
FSW 343-M01-02GNT	8/6/1997	<5	<0.7	<5	567	179
FSW 343-M01-02GNT-D	8/6/1997	<5	<0.7	<5	559	160
FSW 343-M01-03RT	8/6/1997	11	13.1	<5	359	171
FSW 343-M01-04BUT	8/6/1997	36	<0.7	<5	234	124
FSW 343-M01-05BKT	8/6/1997	42	<0.7	<5	142	103
FSW 343-M01-06WT	8/6/1997	40	<0.7	<5	147	93
FSW 343-M01-07O	8/6/1997	40	<0.7	<5	149	99
FSW 343-M01-08GY	8/6/1997	43	<0.7	<5	170	182
FSW 343-M01-09Y	8/6/1997	39	<0.7	<5	155	200

Table 7. Concentrations of anions and ammonium for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Nitrate, dissolved (µM)	Nitrite, dissolved (µM)	Ammonium, dissolved (µM)	Chloride, dissolved (µM)	Sulfate, dissolved (µM)
FSW 343-M01-10P	8/6/1997	41	<0.7	<5	149	230
FSW 343-M02-01PT	8/6/1997	--	--	--	--	--
FSW 343-M02-02GNT	8/6/1997	--	--	--	--	--
FSW 343-M02-03RT	8/6/1997	590	2.2	<5	604	162
FSW 343-M02-03RT-D	8/6/1997	592	2.3	<5	602	161
FSW 343-M02-04BUT	8/6/1997	<5	<0.7	<5	997	154
FSW 343-M02-05BKT	8/6/1997	<5	<0.7	8	1242	189
FSW 343-M02-06WT	8/6/1997	<5	<0.7	<5	1287	107
FSW 343-M02-07O	8/6/1997	541	4.4	<5	1395	245
FSW 343-M02-08GY	8/6/1997	451	33.3	<5	1306	235
FSW 343-M02-09Y	8/6/1997	<5	8.6	<5	650	116
FSW 343-M02-10P	8/6/1997	<5	<0.7	<5	1060	187
FSW 343-M02-11GN	8/6/1997	<5	<0.7	<5	881	169
FSW 343-M02-12R	8/6/1997	<5	<0.7	<5	877	148
FSW 343-M02-12R-D	8/6/1997	<5	<0.7	<5	877	137
FSW 343-M02-13BU	8/6/1997	<5	<0.7	<5	843	192
FSW 343-M02-14BK	8/6/1997	<5	<0.7	<5	802	184
FSW 343-M02-15W	8/6/1997	<5	<0.7	24	664	263
FSW 343-M03-01PT (1-19)	8/7/1997	<5	<0.7	7	274	86
FSW 343-M03-02GNT (1-19)	8/7/1997	<5	<0.7	7	280	80
FSW 343-M03-03RT (1-19)	8/7/1997	<5	<0.7	9	298	130
FSW 343-M03-04BUT (1-19)	8/7/1997	88	<0.7	9	198	69
FSW 343-M03-05BKT (1-19)	8/7/1997	260	<0.7	<5	125	99
FSW 343-M03-06WT (1-19)	8/7/1997	347	<0.7	<5	99	85
FSW 343-M03-06WT (1-19)-D	8/7/1997	348	<0.7	<5	98	79
FSW 343-M03-07O (1-19)	8/7/1997	583	<0.7	<5	107	83
FSW 343-M03-08GY (1-19)	8/7/1997	562	1.1	<5	131	96
FSW 343-M03-09Y (1-19)	8/7/1997	759	4.3	<5	280	136
FSW 343-M03-10P (1-19)	8/7/1997	995	6.3	<5	365	149
FSW 343-M03-11GN (1-19)	8/7/1997	1168	7.9	<5	454	228
FSW 343-M03-12R (1-19)	8/7/1997	1152	9.8	<5	543	180
FSW 343-M03-13BU (1-19)	8/7/1997	1194	10.4	<5	581	200
FSW 343-M03-14BK (1-19)	8/7/1997	900	11.1	<5	668	199
FSW 343-M03-15W (1-19)	8/7/1997	276	11.2	<5	714	204

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Well or multilevel-sampler port	Date	Nitrate, dissolved (µM)	Nitrite, dissolved (µM)	Ammonium, dissolved (µM)	Chloride, dissolved (µM)	Sulfate, dissolved (µM)
FSW 343-M01-01PT	10/30/1997	--	--	--	--	--
FSW 343-M01-02GNT	10/30/1997	<5	<0.7	10	404	172
FSW 343-M01-02GNT-D	10/30/1997	<5	<0.7	16	402	174
FSW 343-M01-03RT	10/30/1997	25	13.0	13	213	156
FSW 343-M01-04BUT	10/30/1997	39	0.9	23	178	132
FSW 343-M01-05BKT	10/30/1997	44	<0.7	10	150	90
FSW 343-M01-06WT	10/30/1997	37	<0.7	7	146	101
FSW 343-M01-07O	10/30/1997	38	<0.7	19	156	116
FSW 343-M01-08GY	10/30/1997	41	<0.7	11	169	182
FSW 343-M01-09Y	10/30/1997	38	<0.7	11	157	211
FSW 343-M01-10P	10/30/1997	40	<0.7	<5	146	193
FSW 343-M02-01PT	10/30/1997	--	--	--	--	--
FSW 343-M02-02GNT	10/30/1997	--	--	--	--	--
FSW 343-M02-03RT	10/30/1997	70	3.5	<5	654	131
FSW 343-M02-03RT-D	10/30/1997	69	3.4	<5	640	140
FSW 343-M02-04BUT	10/30/1997	335	<0.7	<5	952	130
FSW 343-M02-05BKT	10/30/1997	198	<0.7	39	1120	103
FSW 343-M02-06WT	10/30/1997	18	<0.7	13	1301	79
FSW 343-M02-07O	10/30/1997	<5	<0.7	<5	821	89
FSW 343-M02-08GY	10/30/1997	<5	<0.7	<5	713	119
FSW 343-M02-09Y	10/30/1997	<5	<0.7	<5	757	97
FSW 343-M02-10P	10/30/1997	<5	<0.7	<5	591	97
FSW 343-M02-11GN	10/30/1997	<5	<0.7	12	487	97
FSW 343-M02-12R	10/30/1997	<5	<0.7	39	704	142
FSW 343-M02-12R-D	10/30/1997	<5	<0.7	46	691	140
FSW 343-M02-13BU	10/30/1997	<5	<0.7	153	970	170
FSW 343-M02-14BK	10/30/1997	<5	<0.7	11	816	195
FSW 343-M02-15W	10/30/1997	<5	<0.7	130	679	175
FSW 343-M03-01PT (1-19)	10/30/1997	<5	<0.7	18	234	64
FSW 343-M03-02GNT (1-19)	10/30/1997	<5	<0.7	12	264	70
FSW 343-M03-03RT (1-19)	10/30/1997	<5	<0.7	17	282	56
FSW 343-M03-04BUT (1-19)	10/30/1997	11	<0.7	15	237	75
FSW 343-M03-05BKT (1-19)	10/30/1997	79	<0.7	6	161	94
FSW 343-M03-06WT (1-19)	10/30/1997	163	<0.7	15	120	72
FSW 343-M03-06WT (1-19)-D	10/30/1997	166	<0.7	14	123	89

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Well or multilevel-sampler port	Date	Nitrate, dissolved (µM)	Nitrite, dissolved (µM)	Ammonium, dissolved (µM)	Chloride, dissolved (µM)	Sulfate, dissolved (µM)
FSW 343-M03-07O (1-19)	10/30/1997	379	<0.7	26	115	87
FSW 343-M03-08GY (1-19)	10/30/1997	985	0.7	11	120	109
FSW 343-M03-09Y (1-19)	10/30/1997	1276	5.8	<5	141	108
FSW 343-M03-10P (1-19)	10/30/1997	1438	8.1	<5	151	136
FSW 343-M03-11GN (1-19)	10/30/1997	1618	9.8	34	196	120
FSW 343-M03-12R (1-19)	10/30/1997	1687	10.4	<5	254	134
FSW 343-M03-13BU (1-19)	10/30/1997	1513	11.3	<5	343	132
FSW 343-M03-14BK (1-19)	10/30/1997	1150	12.9	<5	421	166
FSW 343-M03-15W (1-19)	10/30/1997	714	13.4	<5	458	150
FSW 343-M01-01PT	6/2/1998	--	--	--	--	--
FSW 343-M01-02GNT	6/2/1998	<5	<0.7	7	319	166
FSW 343-M01-03RT	6/2/1998	44	4.3	7	183	103
FSW 343-M01-04BUT	6/2/1998	43	<0.7	<5	160	92
FSW 343-M01-05BKT	6/2/1998	42	<0.7	<5	147	90
FSW 343-M01-06WT	6/2/1998	35	<0.7	7	157	110
FSW 343-M01-07O	6/2/1998	37	<0.7	<5	155	110
FSW 343-M01-08GY	6/2/1998	38	<0.7	<5	174	165
FSW 343-M01-09Y	6/2/1998	35	<0.7	<5	148	186
FSW 343-M01-09Y-D	6/2/1998	36	<0.7	<5	153	188
FSW 343-M01-10P	6/2/1998	36	<0.7	<5	155	169
FSW 343-M01-11GN	6/2/1998	--	--	--	--	--
FSW 343-M01-12R	6/2/1998	--	--	--	--	--
FSW 343-M01-13BU	6/2/1998	--	--	--	--	--
FSW 343-M01-14BK	6/2/1998	43	<0.7	6	144	217
FSW 343-M01-15W	6/2/1998	54	<0.7	<5	178	193
FSW 343-M02-01PT	6/2/1998	--	--	--	--	--
FSW 343-M02-02GNT	6/2/1998	--	--	--	--	--
FSW 343-M02-03RT	6/2/1998	8	5.8	9	790	106
FSW 343-M02-04BUT	6/2/1998	<5	7.7	<5	593	92
FSW 343-M02-05BKT	6/2/1998	<5	<0.7	14	618	111
FSW 343-M02-06WT	6/2/1998	<5	<0.7	8	491	118
FSW 343-M02-07O	6/2/1998	<5	<0.7	55	746	102
FSW 343-M02-08GY	6/2/1998	<5	<0.7	37	390	161
FSW 343-M02-09Y	6/2/1998	<5	<0.7	32	498	144
FSW 343-M02-10P	6/2/1998	<5	<0.7	10	456	116

Table 7. Concentrations of anions and ammonium for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Source of data: Richard L. Smith and Deborah A. Repert, U.S. Geological Survey, National Research Program, Boulder, CO. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; µM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Nitrate, dissolved (µM)	Nitrite, dissolved (µM)	Ammonium, dissolved (µM)	Chloride, dissolved (µM)	Sulfate, dissolved (µM)
FSW 343-M02-10P-D	6/2/1998	<5	<0.7	7	457	116
FSW 343-M02-11GN	6/2/1998	<5	<0.7	13	482	138
FSW 343-M02-12R	6/2/1998	<5	<0.7	99	952	180
FSW 343-M02-13BU	6/2/1998	<5	<0.7	82	906	175
FSW 343-M02-14BK	6/2/1998	<5	<0.7	47	979	172
FSW 343-M02-15W	6/2/1998	<5	<0.7	48	485	163
FSW 343-M03-01PT (1-19)	6/2/1998	<5	<0.7	<5	246	68
FSW 343-M03-02GNT (1-19)	6/2/1998	<5	<0.7	8	235	89
FSW 343-M03-03RT (1-19)	6/2/1998	<5	<0.7	<5	218	87
FSW 343-M03-04BUT (1-19)	6/2/1998	40	<0.7	<5	192	76
FSW 343-M03-04BUT (1-19)-D	6/2/1998	41	<0.7	<5	192	76
FSW 343-M03-05BKT (1-19)	6/2/1998	177	<0.7	<5	148	68
FSW 343-M03-06WT (1-19)	6/2/1998	261	<0.7	8	150	70
FSW 343-M03-07O (1-19)	6/2/1998	359	<0.7	9	249	87
FSW 343-M03-08GY (1-19)	6/2/1998	417	<0.7	8	301	93
FSW 343-M03-09Y (1-19)	6/2/1998	443	0.8	6	344	99
FSW 343-M03-10P (1-19)	6/2/1998	438	2.8	9	754	115
FSW 343-M03-11GN (1-19)	6/2/1998	346	4.4	7	986	121
FSW 343-M03-12R (1-19)	6/2/1998	300	4.8	9	976	126
FSW 343-M03-13BU (1-19)	6/2/1998	186	4.6	5	996	130
FSW 343-M03-14BK (1-19)	6/2/1998	208	6.5	16	1214	140
FSW 343-M03-15W (1-19)	6/2/1998	281	8.0	8	1344	142
FSW 343-M01-01PT	11/10/1998	--	--	--	--	--
FSW 343-M01-02GNT	11/10/1998	<5	<0.7	12	436	100
FSW 343-M01-03RT	11/10/1998	45	2.1	9	448	94
FSW 343-M01-04BUT	11/10/1998	53	<0.7	<5	201	86
FSW 343-M01-05BKT	11/10/1998	52	<0.7	11	551	76
FSW 343-M01-06WT	11/10/1998	52	<0.7	16	353	79
FSW 343-M01-07O	11/10/1998	38	<0.7	10	161	155
FSW 343-M01-08GY	11/10/1998	36	<0.7	11	169	176
FSW 343-M01-09Y	11/10/1998	32	<0.7	11	155	161
FSW 343-M01-09Y-D	11/10/1998	33	<0.7	12	154	170
FSW 343-M01-10P	11/10/1998	33	<0.7	9	157	133
FSW 343-M02-01PT	11/10/1998	--	--	--	--	--

Table 7. Concentrations of anions and ammonium for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Source of data: Richard L. Smith and Deborah A. Repert, U.S. Geological Survey, National Research Program, Boulder, CO. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; µM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Nitrate, dissolved (µM)	Nitrite, dissolved (µM)	Ammonium, dissolved (µM)	Chloride, dissolved (µM)	Sulfate, dissolved (µM)
FSW 343-M02-02GNT	11/10/1998	--	--	--	--	--
FSW 343-M02-03RT	11/10/1998	<5	5.9	17	338	139
FSW 343-M02-04BUT	11/10/1998	<5	3.6	10	471	130
FSW 343-M02-05BKT	11/10/1998	<5	<0.7	15	559	80
FSW 343-M02-06WT	11/10/1998	<5	<0.7	49	503	74
FSW 343-M02-07O	11/10/1998	<5	<0.7	40	455	116
FSW 343-M02-08GY	11/10/1998	<5	<0.7	26	420	145
FSW 343-M02-09Y	11/10/1998	<5	<0.7	21	492	168
FSW 343-M02-10P	11/10/1998	<5	<0.7	17	472	167
FSW 343-M02-10P-D	11/10/1998	<5	<0.7	22	476	169
FSW 343-M02-11GN	11/10/1998	<5	<0.7	22	651	208
FSW 343-M02-12R	11/10/1998	<5	<0.7	101	732	155
FSW 343-M02-13BU	11/10/1998	<5	<0.7	115	468	195
FSW 343-M02-14BK	11/10/1998	<5	<0.7	44	526	176
FSW 343-M02-15W	11/10/1998	<5	<0.7	45	550	136
FSW 343-M03-01PT (1-19)	11/10/1998	<5	<0.7	8	239	73
FSW 343-M03-02GNT (1-19)	11/10/1998	<5	<0.7	7	246	64
FSW 343-M03-03RT (1-19)	11/10/1998	<5	<0.7	8	207	58
FSW 343-M03-04BUT (1-19)	11/10/1998	28	<0.7	10	184	65
FSW 343-M03-04BUT (1-19)-D	11/10/1998	28	<0.7	13	183	66
FSW 343-M03-05BKT (1-19)	11/10/1998	139	<0.7	8	156	70
FSW 343-M03-06WT (1-19)	11/10/1998	300	<0.7	16	132	83
FSW 343-M03-07O (1-19)	11/10/1998	495	<0.7	16	147	103
FSW 343-M03-08GY (1-19)	11/10/1998	599	1.5	11	224	118
FSW 343-M03-09Y (1-19)	11/10/1998	493	5.2	14	328	121
FSW 343-M03-10P (1-19)	11/10/1998	310	7.5	22	378	137
FSW 343-M03-11GN (1-19)	11/10/1998	135	7.6	8	388	147
FSW 343-M03-12R (1-19)	11/10/1998	51	6.5	6	377	150
FSW 343-M03-13BU (1-19)	11/10/1998	14	4.5	13	386	149
FSW 343-M03-14BK (1-19)	11/10/1998	<5	0.7	6	425	147
FSW 343-M03-15W (1-19)	11/10/1998	<5	<0.7	8	346	143
FSW 343-M01-01PT	6/8/1999	--	--	--	--	--
FSW 343-M01-02GNT	6/8/1999	17	12.2	7	431	93
FSW 343-M01-03RT	6/8/1999	60	<0.7	<5	356	75
FSW 343-M01-03RT-D	6/8/1999	60	<0.7	<5	362	75

Table 7. Concentrations of anions and ammonium for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Nitrate, dissolved (µM)	Nitrite, dissolved (µM)	Ammonium, dissolved (µM)	Chloride, dissolved (µM)	Sulfate, dissolved (µM)
FSW 343-M01-04BUT	6/8/1999	59	<0.7	8	393	69
FSW 343-M01-05BKT	6/8/1999	45	<0.7	<5	769	48
FSW 343-M01-06WT	6/8/1999	47	<0.7	5	506	63
FSW 343-M01-07O	6/8/1999	44	<0.7	6	205	115
FSW 343-M01-08GY	6/8/1999	35	<0.7	5	187	161
FSW 343-M01-09Y	6/8/1999	34	<0.7	6	175	184
FSW 343-M01-10P	6/8/1999	35	<0.7	6	163	146
FSW 343-M02-01PT	6/8/1999	--	--	--	--	--
FSW 343-M02-02GNT	6/8/1999	--	--	--	--	--
FSW 343-M02-03RT	6/8/1999	27	21.7	6	570	114
FSW 343-M02-04BUT	6/8/1999	215	37.8	7	812	157
FSW 343-M02-05BKT	6/8/1999	<5	<0.7	40	755	116
FSW 343-M02-06WT	6/8/1999	<5	<0.7	61	517	89
FSW 343-M02-07O	6/8/1999	<5	<0.7	46	581	122
FSW 343-M02-08GY	6/8/1999	<5	<0.7	25	520	149
FSW 343-M02-09Y	6/8/1999	<5	<0.7	50	613	174
FSW 343-M02-09Y-D	6/8/1999	<5	<0.7	44	615	175
FSW 343-M02-10P	6/8/1999	<5	<0.7	34	684	196
FSW 343-M02-11GN	6/8/1999	<5	<0.7	93	723	164
FSW 343-M02-12R	6/8/1999	<5	<0.7	109	667	128
FSW 343-M02-13BU	6/8/1999	<5	<0.7	94	541	117
FSW 343-M02-14BK	6/8/1999	<5	<0.7	60	393	89
FSW 343-M02-15W	6/8/1999	<5	<0.7	29	469	87
FSW 343-M03-01PT (1-19)	6/8/1999	<5	<0.7	<5	261	61
FSW 343-M03-02GNT (1-19)	6/8/1999	11	<0.7	8	225	76
FSW 343-M03-03RT (1-19)	6/8/1999	78	<0.7	7	196	85
FSW 343-M03-04BUT (1-19)	6/8/1999	154	<0.7	7	235	114
FSW 343-M03-05BKT (1-19)	6/8/1999	165	0.7	7	300	152
FSW 343-M03-06WT (1-19)	6/8/1999	175	1.0	6	306	167
FSW 343-M03-06WT (1-19)-D	6/8/1999	176	1.0	6	310	169
FSW 343-M03-07O (1-19)	6/8/1999	143	1.6	5	359	186
FSW 343-M03-08GY (1-19)	6/8/1999	115	3.3	6	457	166
FSW 343-M03-09Y (1-19)	6/8/1999	51	3.1	10	579	149
FSW 343-M03-10P (1-19)	6/8/1999	21	2.2	15	594	156
FSW 343-M03-11GN (1-19)	6/8/1999	<5	<0.7	7	649	157

Table 7. Concentrations of anions and ammonium for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Nitrate, dissolved (µM)	Nitrite, dissolved (µM)	Ammonium, dissolved (µM)	Chloride, dissolved (µM)	Sulfate, dissolved (µM)
FSW 343-M03-12R (1-19)	6/8/1999	<5	<0.7	<5	638	162
FSW 343-M03-13BU (1-19)	6/8/1999	<5	<0.7	<5	595	153
FSW 343-M03-14BK (1-19)	6/8/1999	<5	<0.7	9	521	144
FSW 343-M03-14BK (1-19)-D	6/8/1999	<5	<0.7	<5	537	146
FSW 343-M03-15W (1-19)	6/8/1999	<5	<0.7	5	476	170
FSW 343-M01-01PT	6/13/2000	--	--	--	--	--
FSW 343-M01-02GNT	6/13/2000	50	<0.7	<5	649	65
FSW 343-M01-03RT	6/13/2000	43	<0.7	<5	698	53
FSW 343-M01-04BUT	6/13/2000	42	<0.7	<5	695	51
FSW 343-M01-05BKT	6/13/2000	40	<0.7	<5	224	109
FSW 343-M01-06WT	6/13/2000	32	<0.7	<5	214	89
FSW 343-M01-06WT-D	6/13/2000	34	<0.7	<5	215	89
FSW 343-M01-07O	6/13/2000	30	<0.7	<5	184	100
FSW 343-M01-08GY	6/13/2000	31	<0.7	<5	187	147
FSW 343-M01-09Y	6/13/2000	31	<0.7	<5	163	170
FSW 343-M01-09Y-D	6/13/2000	30	<0.7	<5	162	168
FSW 343-M01-10P	6/13/2000	32	0.7	<5	153	153
FSW 343-M02-01PT	6/14/2000	--	--	--	--	--
FSW 343-M02-02GNT	6/14/2000	--	--	--	--	--
FSW 343-M02-03RT	6/14/2000	<5	3.6	<5	403	100
FSW 343-M02-04BUT	6/14/2000	<5	<0.7	<5	465	86
FSW 343-M02-05BKT	6/14/2000	<5	<0.7	<5	418	80
FSW 343-M02-06WT	6/14/2000	<5	<0.7	21	540	93
FSW 343-M02-07O	6/13/2000	<5	<0.7	73	497	107
FSW 343-M02-08GY	6/13/2000	<5	<0.7	52	505	116
FSW 343-M02-09Y	6/13/2000	<5	<0.7	55	542	115
FSW 343-M02-10P	6/13/2000	<5	<0.7	80	483	120
FSW 343-M02-11GN	6/13/2000	<5	<0.7	--	534	121
FSW 343-M02-12R	6/13/2000	<5	<0.7	60	623	125
FSW 343-M02-13BU	6/13/2000	<5	<0.7	32	652	178
FSW 343-M02-13BU-D	6/13/2000	<5	<0.7	12	641	175
FSW 343-M02-14BK	6/13/2000	<5	<0.7	31	671	130
FSW 343-M02-15W	6/13/2000	<5	<0.7	<5	643	92
FSW 343-M03-01PT (1-19)	6/14/2000	<5	<0.7	<5	364	33

Table 7. Concentrations of anions and ammonium for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Nitrate, dissolved (µM)	Nitrite, dissolved (µM)	Ammonium, dissolved (µM)	Chloride, dissolved (µM)	Sulfate, dissolved (µM)
FSW 343-M03-02GNT (1-19)	6/14/2000	<5	<0.7	<5	359	46
FSW 343-M03-02GNT (1-19)-D	6/14/2000	<5	<0.7	<5	330	43
FSW 343-M03-03RT (1-19)	6/14/2000	15	<0.7	<5	269	66
FSW 343-M03-03RT (1-19)-D	6/14/2000	15	<0.7	<5	285	68
FSW 343-M03-04BUT (1-19)	6/14/2000	148	<0.7	<5	175	85
FSW 343-M03-05BKT (1-19)	6/14/2000	261	<0.7	<5	175	118
FSW 343-M03-06WT (1-19)	6/14/2000	312	<0.7	<5	236	133
FSW 343-M03-07O (1-19)	6/14/2000	288	1.0	<5	299	137
FSW 343-M03-08GY (1-19)	6/14/2000	164	2.7	<5	477	131
FSW 343-M03-09Y (1-19)	6/14/2000	94	6.0	<5	606	121
FSW 343-M03-10P (1-19)	6/14/2000	111	8.4	<5	688	121
FSW 343-M03-11GN (1-19)	6/14/2000	150	12.1	<5	787	121
FSW 343-M03-12R (1-19)	6/14/2000	178	15.2	<5	807	113
FSW 343-M03-13BU (1-19)	6/14/2000	133	16.9	<5	732	106
FSW 343-M03-14BK (1-19)	6/14/2000	61	14.2	<5	553	96
FSW 343-M03-15W (1-19)	6/14/2000	67	13.2	<5	441	77
FSW 343-M01-01PT	6/18/2002	--	--	--	--	--
FSW 343-M01-02GNT	6/18/2002	6	<0.7	<5	985	98
FSW 343-M01-03RT	6/18/2002	32	<0.7	<5	559	94
FSW 343-M01-04BUT	6/18/2002	42	<0.7	<5	285	86
FSW 343-M01-05BKT	6/18/2002	52	<0.7	<5	157	94
FSW 343-M01-06WT	6/18/2002	48	<0.7	<5	166	100
FSW 343-M01-07O	6/18/2002	36	<0.7	<5	191	142
FSW 343-M01-07O-D	6/18/2002	36	<0.7	<5	206	144
FSW 343-M01-08GY	6/18/2002	29	<0.7	<5	208	155
FSW 343-M01-09Y	6/18/2002	31	<0.7	<5	177	157
FSW 343-M01-10P	6/18/2002	32	<0.7	<5	174	135
FSW 343-M02-01PT	6/18/2002	--	--	--	--	--
FSW 343-M02-02GNT	6/18/2002	--	--	--	--	--
FSW 343-M02-03RT	6/18/2002	35	13.3	<5	304	98
FSW 343-M02-04BUT	6/18/2002	58	28.8	<5	291	111
FSW 343-M02-05BKT	6/18/2002	<5	35.9	<5	309	121
FSW 343-M02-06WT	6/18/2002	<5	<0.7	<5	346	106
FSW 343-M02-07O	6/18/2002	<5	<0.7	31	666	78
FSW 343-M02-08GY	6/18/2002	<5	<0.7	25	665	72

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Well or multilevel-sampler port	Date	Nitrate, dissolved (µM)	Nitrite, dissolved (µM)	Ammonium, dissolved (µM)	Chloride, dissolved (µM)	Sulfate, dissolved (µM)
FSW 343-M02-09Y	6/18/2002	<5	<0.7	31	822	45
FSW 343-M02-10P	6/18/2002	<5	<0.7	56	902	56
FSW 343-M02-11GN	6/18/2002	<5	<0.7	39	1057	51
FSW 343-M02-12R	6/18/2002	<5	<0.7	14	1393	49
FSW 343-M02-13BU	6/18/2002	<5	<0.7	<5	1295	105
FSW 343-M02-14BK	6/18/2002	<5	<0.7	<5	1224	115
FSW 343-M02-15W	6/18/2002	<5	<0.7	<5	1217	132
FSW 343-M02-15W-D	6/18/2002	<5	<0.7	<5	1218	131
FSW 343-M03-01PT (1-19)	6/18/2002	--	--	--	--	--
FSW 343-M03-02GNT (1-19)	6/18/2002	--	--	--	--	--
FSW 343-M03-03RT (1-19)	6/18/2002	<5	<0.7	<5	256	43
FSW 343-M03-04BUT (1-19)	6/18/2002	27	<0.7	<5	241	71
FSW 343-M03-05BKT (1-19)	6/18/2002	100	<0.7	<5	198	99
FSW 343-M03-06WT (1-19)	6/18/2002	116	<0.7	<5	208	116
FSW 343-M03-06WT (1-19)-D	6/18/2002	114	<0.7	<5	206	114
FSW 343-M03-07O (1-19)	6/18/2002	108	<0.7	<5	232	133
FSW 343-M03-08GY (1-19)	6/18/2002	88	0.8	<5	267	135
FSW 343-M03-08GY (1-19)	6/18/2002	123	1.0	<5	257	129
FSW 343-M03-09Y (1-19)	6/18/2002	96	2.6	<5	272	127
FSW 343-M03-10P (1-19)	6/18/2002	42	4.7	<5	296	131
FSW 343-M03-12R (1-19)	6/18/2002	36	6.0	<5	305	133
FSW 343-M03-13BU (1-19)	6/18/2002	34	6.8	<5	307	128
FSW 343-M03-14BK (1-19)	6/18/2002	31	8.2	<5	321	111
FSW 343-M03-15W (1-19)	6/18/2002	24	7.3	<5	320	108
FSW 343-M01-01PT	8/24/2004	<5	<0.7	<5	1063	60
FSW 343-M01-02GNT	8/24/2004	33	5.4	<5	717	39
FSW 343-M01-03RT	8/24/2004	58	<0.7	<5	689	55
FSW 343-M01-05BKT	8/24/2004	35	<0.7	<5	255	79
FSW 343-M01-05BKT-D	8/24/2004	35	<0.7	<5	252	78
FSW 343-M01-06WT	8/24/2004	36	<0.7	<5	307	96
FSW 343-M01-07O	8/24/2004	35	<0.7	<5	293	112
FSW 343-M01-08GY	8/24/2004	34	<0.7	<5	446	95
FSW 343-M01-09Y	8/24/2004	30	<0.7	<5	223	121
FSW 343-M01-10P	8/24/2004	31	<0.7	<5	174	129
FSW 343-M01-11GN	8/24/2004	34	<0.7	<5	166	121

Table 7. Concentrations of anions and ammonium for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Source of data: Richard L. Smith and Deborah A. Repert, U.S. Geological Survey, National Research Program, Boulder, CO. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; µM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Nitrate, dissolved (µM)	Nitrite, dissolved (µM)	Ammonium, dissolved (µM)	Chloride, dissolved (µM)	Sulfate, dissolved (µM)
FSW 343-M01-12R	8/24/2004	32	<0.7	<5	174	110
FSW 343-M01-13BU	8/24/2004	46	<0.7	<5	423	58
FSW 343-M01-13BU-D	8/24/2004	47	<0.7	<5	425	58
FSW 343-M01-14BK	8/24/2004	32	<0.7	<5	171	107
FSW 343-M01-15W	8/24/2004	34	<0.7	<5	178	138
FSW 343-M02-01PT	8/23/2004	68	10.3	<5	299	130
FSW 343-M02-02GNT	8/23/2004	<5	<0.7	<5	394	127
FSW 343-M02-03RT	8/23/2004	<5	<0.7	<5	334	103
FSW 343-M02-04BUT	8/23/2004	<5	<0.7	<5	283	102
FSW 343-M02-05BKT	8/23/2004	<5	<0.7	<5	261	122
FSW 343-M02-05BKT-D	8/23/2004	<5	<0.7	<5	256	120
FSW 343-M02-06WT	8/23/2004	<5	<0.7	<5	249	146
FSW 343-M02-07O	8/23/2004	<5	<0.7	<5	572	96
FSW 343-M02-08GY	8/23/2004	<5	<0.7	<5	741	80
FSW 343-M02-09Y	8/23/2004	<5	<0.7	<5	723	80
FSW 343-M02-10P	8/23/2004	<5	<0.7	<5	1025	72
FSW 343-M02-11GN	8/23/2004	<5	<0.7	<5	882	66
FSW 343-M02-12R	8/23/2004	<5	<0.7	<5	705	68
FSW 343-M02-13BU	8/23/2004	--	--	--	--	--
FSW 343-M02-14BK	8/23/2004	<5	<0.7	<5	1030	62
FSW 343-M02-15W	8/23/2004	<5	<0.7	<5	980	64
FSW 343-M03-01PT (1-19)	8/24/2004	<5	<0.7	<5	221	64
FSW 343-M03-02GNT (1-19)	8/24/2004	<5	<0.7	<5	235	75
FSW 343-M03-03RT (1-19)	8/24/2004	<5	<0.7	<5	215	63
FSW 343-M03-04BUT (1-19)	8/24/2004	42	<0.7	<5	144	57
FSW 343-M03-05BKT (1-19)	8/24/2004	82	<0.7	<5	101	56
FSW 343-M03-06WT (1-19)	8/24/2004	90	<0.7	<5	94	60
FSW 343-M03-06WT (1-19)-D	8/24/2004	92	<0.7	<5	94	59
FSW 343-M03-07O (1-19)	8/24/2004	102	<0.7	<5	95	63
FSW 343-M03-08GY (1-19)	8/24/2004	119	<0.7	<5	119	84
FSW 343-M03-09Y (1-19)	8/24/2004	122	2.9	<5	145	103
FSW 343-M03-10P (1-19)	8/24/2004	110	6.5	<5	172	107
FSW 343-M03-11GN (1-19)	8/24/2004	98	10.6	<5	220	114
FSW 343-M03-12R (1-19)	8/24/2004	68	11.7	<5	268	110
FSW 343-M03-13BU (1-19)	8/24/2004	34	10.3	<5	318	102

Table 7. Concentrations of anions and ammonium for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Nitrate, dissolved (µM)	Nitrite, dissolved (µM)	Ammonium, dissolved (µM)	Chloride, dissolved (µM)	Sulfate, dissolved (µM)
FSW 343-M03-14BK (1-19)	8/24/2004	12	3.8	<5	361	95
FSW 343-M03-15W (1-19)	8/24/2004	<5	<0.7	<5	373	91
FSW 424-M01-01PT	12/1/1994	<5	<0.7	282	--	483
FSW 424-M01-02GNT	12/1/1994	<5	<0.7	294	--	541
FSW 424-M01-03RT	12/1/1994	<5	<0.7	332	--	382
FSW 424-M01-04BUT	12/1/1994	<5	<0.7	330	--	398
FSW 424-M01-05BKT	12/1/1994	<5	<0.7	246	--	347
FSW 424-M01-06WT	12/1/1994	<5	<0.7	209	--	252
FSW 424-M01-07O	12/1/1994	<5	<0.7	199	--	170
FSW 424-M01-08GY	12/1/1994	<5	<0.7	146	--	177
FSW 424-M01-09Y	12/1/1994	20	<0.7	93	--	142
FSW 424-M01-10P	12/1/1994	25	<0.7	53	--	116
FSW 424-M01-11GN	12/1/1994	87	<0.7	35	--	132
FSW 424-M01-12R	12/1/1994	153	<0.7	25	--	144
FSW 424-M01-13BU	12/1/1994	155	<0.7	34	--	147
FSW 424-M01-13BU-D	12/1/1994	155	<0.7	31	--	146
FSW 424-M01-14BK	12/1/1994	164	<0.7	74	--	127
FSW 424-M01-15W	12/1/1994	186	<0.7	247	--	116
FSW 424-M02-01PT (72-13)	12/2/1994	<5	<0.7	10	--	90
FSW 424-M02-02GNT (72-13)	12/2/1994	6	<0.7	7	--	71
FSW 424-M02-03RT (72-13)	12/2/1994	<5	<0.7	9	--	85
FSW 424-M02-04BUT (72-13)	12/2/1994	<5	<0.7	9	--	80
FSW 424-M02-05BKT (72-13)	12/2/1994	9	<0.7	9	--	69
FSW 424-M02-06WT (72-13)	12/2/1994	45	<0.7	9	--	83
FSW 424-M02-07O (72-13)	12/2/1994	170	<0.7	9	--	127
FSW 424-M02-08GY (72-13)	12/2/1994	361	<0.7	9	--	202
FSW 424-M02-09Y (72-13)	12/2/1994	836	0.7	9	--	328
FSW 424-M02-10P (72-13)	12/2/1994	1165	0.7	9	--	329
FSW 424-M02-11GN (72-13)	12/2/1994	1076	12.1	12	--	341
FSW 424-M02-12R (72-13)	12/2/1994	412	35.7	11	--	361
FSW 424-M02-13BU (72-13)	12/2/1994	514	0.7	63	--	354
FSW 424-M02-14BK (72-13)	12/2/1994	526	<0.7	113	--	323
FSW 424-M02-14BK (72-13)-D	12/2/1994	534	<0.7	114	--	325
FSW 424-M02-15W (72-13)	12/2/1994	224	<0.7	157	--	312

Table 7. Concentrations of anions and ammonium for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Nitrate, dissolved (µM)	Nitrite, dissolved (µM)	Ammonium, dissolved (µM)	Chloride, dissolved (µM)	Sulfate, dissolved (µM)
FSW 424-M01-01PT	7/9/1996	110	<0.7	102	1089	273
FSW 424-M01-02GNT	7/9/1996	<5	<0.7	217	854	320
FSW 424-M01-02GNT-D	7/9/1996	<5	<0.7	216	831	317
FSW 424-M01-03RT	7/9/1996	<5	<0.7	279	955	239
FSW 424-M01-04BUT	7/9/1996	<5	<0.7	275	818	186
FSW 424-M01-05BKT	7/9/1996	<5	<0.7	169	463	122
FSW 424-M01-06WT	7/9/1996	<5	<0.7	157	313	101
FSW 424-M01-07O	7/9/1996	<5	<0.7	113	242	76
FSW 424-M01-08GY	7/9/1996	<5	<0.7	148	412	97
FSW 424-M01-09Y	7/9/1996	<5	<0.7	121	442	68
FSW 424-M01-10P	7/9/1996	25	<0.7	75	547	79
FSW 424-M01-11GN	7/9/1996	71	<0.7	75	607	78
FSW 424-M01-11GN-D	7/9/1996	71	<0.7	80	608	78
FSW 424-M01-12R	7/9/1996	63	<0.7	56	518	65
FSW 424-M01-13BU	7/9/1996	92	<0.7	21	722	92
FSW 424-M01-14BK	7/9/1996	121	<0.7	37	790	70
FSW 424-M01-15W	7/9/1996	171	<0.7	67	229	94
FSW 424-M02-01PT (72-13)	7/10/1996	<5	<0.7	<5	1164	56
FSW 424-M02-02GNT (72-13)	7/10/1996	5	<0.7	<5	1093	62
FSW 424-M02-03RT (72-13)	7/10/1996	10	<0.7	7	518	76
FSW 424-M02-04BUT (72-13)	7/10/1996	5	<0.7	<5	434	70
FSW 424-M02-05BKT (72-13)	7/10/1996	13	<0.7	<5	368	71
FSW 424-M02-05BKT (72-13)-D	7/10/1996	12	<0.7	<5	361	76
FSW 424-M02-06WT (72-13)	7/10/1996	31	<0.7	<5	295	77
FSW 424-M02-07O (72-13)	7/10/1996	72	<0.7	<5	338	111
FSW 424-M02-08GY (72-13)	7/10/1996	167	<0.7	<5	426	150
FSW 424-M02-09Y (72-13)	7/10/1996	352	<0.7	5	590	178
FSW 424-M02-10P (72-13)	7/10/1996	692	<0.7	5	865	190
FSW 424-M02-11GN (72-13)	7/10/1996	876	3.1	<5	991	217
FSW 424-M02-12R (72-13)	7/10/1996	1048	3.5	<5	1151	220
FSW 424-M02-13BU (72-13)	7/10/1996	1076	2.7	<5	1217	251
FSW 424-M02-14BK (72-13)	7/10/1996	922	<0.7	9	1286	222
FSW 424-M02-14BK (72-13)-D	7/10/1996	920	<0.7	19	1280	221
FSW 424-M02-15W (72-13)	7/10/1996	865	<0.7	58	1315	238
FSW 424-M01-01PT	6/11/1997	<5	<0.7	184	1351	282

Table 7. Concentrations of anions and ammonium for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Nitrate, dissolved (µM)	Nitrite, dissolved (µM)	Ammonium, dissolved (µM)	Chloride, dissolved (µM)	Sulfate, dissolved (µM)
FSW 424-M01-01PT-D	6/11/1997	<5	<0.7	185	1302	286
FSW 424-M01-02GNT	6/11/1997	<5	<0.7	255	1321	283
FSW 424-M01-03RT	6/11/1997	<5	<0.7	190	937	216
FSW 424-M01-04BUT	6/11/1997	<5	<0.7	202	887	204
FSW 424-M01-05BKT	6/11/1997	<5	<0.7	170	576	157
FSW 424-M01-06WT	6/11/1997	<5	<0.7	173	654	108
FSW 424-M01-07O	6/11/1997	<5	<0.7	197	792	60
FSW 424-M01-08GY	6/11/1997	<5	<0.7	219	963	60
FSW 424-M01-09Y	6/11/1997	104	<0.7	176	889	66
FSW 424-M01-09Y-D	6/11/1997	103	<0.7	184	909	84
FSW 424-M01-10P	6/11/1997	139	<0.7	151	754	96
FSW 424-M01-11GN	6/11/1997	139	<0.7	117	699	81
FSW 424-M01-12R	6/11/1997	153	<0.7	109	666	77
FSW 424-M01-13BU	6/11/1997	184	<0.7	46	404	90
FSW 424-M01-14BK	6/11/1997	188	<0.7	54	349	97
FSW 424-M01-15W	6/11/1997	202	<0.7	130	173	146
FSW 424-M02-01PT (72-13)	6/11/1997	<5	<0.7	11	822	59
FSW 424-M02-02GNT (72-13)	6/11/1997	<5	<0.7	12	724	45
FSW 424-M02-03RT (72-13)	6/11/1997	<5	<0.7	8	442	41
FSW 424-M02-04BUT (72-13)	6/11/1997	10	<0.7	7	255	44
FSW 424-M02-04BUT (72-13)-D	6/11/1997	9	<0.7	9	247	44
FSW 424-M02-05BKT (72-13)	6/11/1997	7	<0.7	14	145	48
FSW 424-M02-06WT (72-13)	6/11/1997	29	<0.7	13	136	59
FSW 424-M02-07O (72-13)	6/11/1997	109	<0.7	19	199	80
FSW 424-M02-08GY (72-13)	6/11/1997	299	<0.7	16	354	122
FSW 424-M02-09Y (72-13)	6/11/1997	668	<0.7	12	680	169
FSW 424-M02-10P (72-13)	6/11/1997	1156	1.1	<5	1140	202
FSW 424-M02-11GN (72-13)	6/11/1997	1224	4.9	<5	1388	209
FSW 424-M02-12R (72-13)	6/11/1997	1045	22.5	<5	1488	251
FSW 424-M02-13BU (72-13)	6/11/1997	791	<0.7	21	1470	291
FSW 424-M02-13BU (72-13)-D	6/11/1997	799	<0.7	23	1478	266
FSW 424-M02-14BK (72-13)	6/11/1997	133	<0.7	35	882	195
FSW 424-M02-15W (72-13)	6/11/1997	<5	<0.7	68	1400	286
FSW 424-M01-01PT	6/10/1998	419	<0.7	138	1388	275
FSW 424-M01-02GNT	6/10/1998	10	<0.7	216	1442	276

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Well or multilevel-sampler port	Date	Nitrate, dissolved (µM)	Nitrite, dissolved (µM)	Ammonium, dissolved (µM)	Chloride, dissolved (µM)	Sulfate, dissolved (µM)
FSW 424-M01-03RT	6/10/1998	10	<0.7	187	1406	280
FSW 424-M01-04BUT	6/10/1998	10	<0.7	147	1283	269
FSW 424-M01-05BKT	6/10/1998	<5	<0.7	150	1395	272
FSW 424-M01-06WT	6/10/1998	<5	<0.7	170	1154	223
FSW 424-M01-06WT-D	6/10/1998	<5	<0.7	174	1146	223
FSW 424-M01-07O	6/10/1998	<5	<0.7	174	1090	183
FSW 424-M01-08GY	6/10/1998	220	<0.7	137	973	186
FSW 424-M01-09Y	6/10/1998	473	<0.7	94	879	123
FSW 424-M01-10P	6/10/1998	343	<0.7	61	692	88
FSW 424-M01-11GN	6/10/1998	225	<0.7	14	627	88
FSW 424-M01-12R	6/10/1998	148	<0.7	<5	563	91
FSW 424-M01-13BU	6/10/1998	115	<0.7	13	395	114
FSW 424-M01-14BK	6/10/1998	126	<0.7	9	212	128
FSW 424-M01-15W	6/10/1998	197	<0.7	204	176	119
FSW 424-M01-15W-D	6/10/1998	198	<0.7	269	182	118
FSW 424-M02-01PT (72-13)	6/10/1998	<5	<0.7	8	317	76
FSW 424-M02-02GNT (72-13)	6/10/1998	<5	<0.7	8	164	59
FSW 424-M02-03RT (72-13)	6/10/1998	<5	<0.7	12	145	54
FSW 424-M02-04BUT (72-13)	6/10/1998	26	<0.7	6	147	54
FSW 424-M02-05BKT (72-13)	6/10/1998	16	<0.7	11	143	50
FSW 424-M02-06WT (72-13)	6/10/1998	61	<0.7	5	218	75
FSW 424-M02-07O (72-13)	6/10/1998	208	<0.7	7	411	127
FSW 424-M02-08GY (72-13)	6/10/1998	571	<0.7	11	785	197
FSW 424-M02-09Y (72-13)	6/10/1998	842	<0.7	8	1048	249
FSW 424-M02-09Y (72-13)-D	6/10/1998	831	<0.7	6	1001	233
FSW 424-M02-10P (72-13)	6/10/1998	1040	4.4	10	1285	288
FSW 424-M02-11GN (72-13)	6/10/1998	1111	7.2	8	1335	312
FSW 424-M02-12R (72-13)	6/10/1998	1015	16.3	10	1402	305
FSW 424-M02-13BU (72-13)	6/10/1998	1120	28.1	13	1401	298
FSW 424-M02-14BK (72-13)	6/10/1998	1083	20.0	11	1442	288
FSW 424-M02-15W (72-13)	6/10/1998	732	<0.7	21	1384	279
FSW 424-M01-01PT	6/29/1999	336	36.5	<5	1640	294
FSW 424-M01-02GNT	6/29/1999	12	<0.7	65	1552	304
FSW 424-M01-03RT	6/29/1999	<5	<0.7	73	1539	277
FSW 424-M01-04BUT	6/29/1999	<5	<0.7	59	1227	239

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Well or multilevel-sampler port	Date	Nitrate, dissolved (µM)	Nitrite, dissolved (µM)	Ammonium, dissolved (µM)	Chloride, dissolved (µM)	Sulfate, dissolved (µM)
FSW 424-M01-05BKT	6/29/1999	<5	<0.7	53	1180	247
FSW 424-M01-06WT	6/29/1999	<5	<0.7	89	1262	231
FSW 424-M01-06WT-D	6/29/1999	<5	<0.7	87	1236	232
FSW 424-M01-07O	6/29/1999	<5	<0.7	76	1094	236
FSW 424-M01-08GY	6/29/1999	49	<0.7	59	515	192
FSW 424-M01-09Y	6/29/1999	69	<0.7	22	233	168
FSW 424-M01-10P	6/29/1999	102	<0.7	13	237	120
FSW 424-M01-11GN	6/29/1999	60	<0.7	<5	173	126
FSW 424-M01-12R	6/29/1999	50	<0.7	<5	166	143
FSW 424-M01-13BU	6/29/1999	53	<0.7	<5	171	161
FSW 424-M01-14BK	6/29/1999	48	<0.7	<5	169	182
FSW 424-M01-15W	6/29/1999	192	<0.7	118	169	131
FSW 424-M02-01PT (72-13)	6/29/1999	<5	<0.7	<5	1023	50
FSW 424-M02-01PT (72-13)-D	6/29/1999	<5	<0.7	<5	1012	50
FSW 424-M02-02GNT (72-13)	6/29/1999	<5	<0.7	<5	677	34
FSW 424-M02-03RT (72-13)	6/29/1999	<5	<0.7	<5	640	38
FSW 424-M02-04BUT (72-13)	6/29/1999	<5	<0.7	<5	412	46
FSW 424-M02-05BKT (72-13)	6/29/1999	9	<0.7	<5	257	48
FSW 424-M02-05BKT (72-13)-D	6/29/1999	9	<0.7	<5	255	47
FSW 424-M02-06WT (72-13)	6/29/1999	41	<0.7	<5	183	69
FSW 424-M02-07O (72-13)	6/29/1999	177	<0.7	<5	179	89
FSW 424-M02-08GY (72-13)	6/29/1999	360	<0.7	<5	187	108
FSW 424-M02-09Y (72-13)	6/29/1999	600	<0.7	<5	264	149
FSW 424-M02-10P (72-13)	6/29/1999	631	1.5	<5	452	198
FSW 424-M02-11GN (72-13)	6/29/1999	428	2.1	<5	664	196
FSW 424-M02-12R (72-13)	6/29/1999	110	1.7	<5	854	179
FSW 424-M02-13BU (72-13)	6/29/1999	58	1.9	<5	1048	181
FSW 424-M02-14BK (72-13)	6/29/1999	243	10.5	<5	1318	257
FSW 424-M02-15W (72-13)	6/29/1999	469	33.8	<5	1545	303
FSW 424-M01-01PT	6/5/2000	0	<0.7	<5	866	122
FSW 424-M01-02GNT	6/5/2000	0	<0.7	6	679	148
FSW 424-M01-03RT	6/5/2000	0	<0.7	67	528	126
FSW 424-M01-04BUT	6/5/2000	0	<0.7	121	819	183
FSW 424-M01-05BKT	6/5/2000	0	<0.7	105	747	184
FSW 424-M01-06WT	6/5/2000	0	<0.7	30	520	175

Table 7. Concentrations of anions and ammonium for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Source of data: Richard L. Smith and Deborah A. Repert, U.S. Geological Survey, National Research Program, Boulder, CO. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; µM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Nitrate, dissolved (µM)	Nitrite, dissolved (µM)	Ammonium, dissolved (µM)	Chloride, dissolved (µM)	Sulfate, dissolved (µM)
FSW 424-M01-07O	6/5/2000	0	<0.7	29	383	166
FSW 424-M01-08GY	6/5/2000	0	<0.7	20	212	124
FSW 424-M01-09Y	6/5/2000	0	<0.7	18	188	84
FSW 424-M01-10P	6/5/2000	80	<0.7	<5	137	63
FSW 424-M01-11GN	6/5/2000	71	<0.7	<5	168	91
FSW 424-M01-12R	6/5/2000	53	<0.7	<5	158	97
FSW 424-M01-13BU	6/5/2000	45	<0.7	<5	168	130
FSW 424-M01-13BU-D	6/5/2000	51	<0.7	<5	142	111
FSW 424-M01-14BK	6/5/2000	51	<0.7	<5	170	155
FSW 424-M01-15W	6/5/2000	59	<0.7	<5	165	174
FSW 424-M02-01PT (72-13)	6/6/2000	<5	<0.7	<5	416	75
FSW 424-M02-02GNT (72-13)	6/6/2000	<5	<0.7	<5	328	34
FSW 424-M02-02GNT (72-13)-D	6/6/2000	<5	<0.7	<5	621	57
FSW 424-M02-03RT (72-13)	6/6/2000	<5	<0.7	<5	627	30
FSW 424-M02-04BUT (72-13)	6/6/2000	22	<0.7	<5	776	62
FSW 424-M02-05BKT (72-13)	6/6/2000	--	--	<5	--	--
FSW 424-M02-06WT (72-13)	6/6/2000	51	<0.7	<5	384	111
FSW 424-M02-07O (72-13)	6/6/2000	41	<0.7	<5	206	144
FSW 424-M02-07O (72-13)-D	6/6/2000	79	<0.7	<5	350	144
FSW 424-M02-08GY (72-13)	6/6/2000	80	<0.7	<5	383	179
FSW 424-M02-09Y (72-13)	6/6/2000	86	<0.7	<5	424	142
FSW 424-M02-10P (72-13)	6/6/2000	107	4.3	<5	565	191
FSW 424-M02-11GN (72-13)	6/6/2000	140	3.9	<5	823	227
FSW 424-M02-12R (72-13)	6/6/2000	94	2.1	<5	926	401
FSW 424-M02-13BU (72-13)	6/6/2000	36	1.3	<5	1048	218
FSW 424-M02-14BK (72-13)	6/6/2000	9	<0.7	<5	1219	128
FSW 424-M02-15W (72-13)	6/6/2000	--	--	<5	--	--
FSW 424-M01-01PT	7/19/2001	0	<0.7	4	673	154
FSW 424-M01-02GNT	7/19/2001	0	<0.7	25	803	133
FSW 424-M01-03RT	7/19/2001	0	<0.7	166	1175	123
FSW 424-M01-04BUT	7/19/2001	0	<0.7	175	1048	121
FSW 424-M01-05BKT	7/19/2001	0	<0.7	165	706	96
FSW 424-M01-06WT	7/19/2001	0	<0.7	41	436	85
FSW 424-M01-07O	7/19/2001	0	<0.7	29	407	81
FSW 424-M01-08GY	7/19/2001	45	<0.7	25	271	86

Table 7. Concentrations of anions and ammonium for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Nitrate, dissolved (µM)	Nitrite, dissolved (µM)	Ammonium, dissolved (µM)	Chloride, dissolved (µM)	Sulfate, dissolved (µM)
FSW 424-M01-09Y	7/19/2001	140	<0.7	21	285	70
FSW 424-M01-10P	7/19/2001	61	<0.7	2	327	71
FSW 424-M01-11GN	7/19/2001	60	<0.7	2	317	76
FSW 424-M01-11GN-D	7/19/2001	59	<0.7	3	319	76
FSW 424-M01-12R	7/19/2001	54	<0.7	2	239	111
FSW 424-M01-13BU	7/19/2001	52	<0.7	2	182	145
FSW 424-M01-14BK	7/19/2001	49	<0.7	2	174	171
FSW 424-M01-15W	7/19/2001	63	<0.7	2	148	203
FSW 424-M02-01PT (72-13)	7/19/2001	0	<0.7	2	1258	56
FSW 424-M02-02GNT (72-13)	7/19/2001	0	<0.7	3	1009	47
FSW 424-M02-03RT (72-13)	7/19/2001	0	<0.7	2	630	49
FSW 424-M02-04BUT (72-13)	7/19/2001	13	<0.7	2	512	55
FSW 424-M02-05BKT (72-13)	7/19/2001	24	<0.7	3	331	71
FSW 424-M02-06WT (72-13)	7/19/2001	59	<0.7	1	281	94
FSW 424-M02-07O (72-13)	7/19/2001	99	<0.7	3	318	108
FSW 424-M02-07O (72-13)-D	7/19/2001	101	<0.7	2	321	108
FSW 424-M02-08GY (72-13)	7/19/2001	154	<0.7	2	393	121
FSW 424-M02-09Y (72-13)	7/19/2001	221	<0.7	4	513	125
FSW 424-M02-10P (72-13)	7/19/2001	289	2.1	3	630	121
FSW 424-M02-11GN (72-13)	7/19/2001	334	6.1	5	792	126
FSW 424-M02-12R (72-13)	7/19/2001	315	<0.7	6	1071	138
FSW 424-M02-13BU (72-13)	7/19/2001	292	<0.7	10	1162	139
FSW 424-M02-14BK (72-13)	7/19/2001	269	<0.7	4	1232	144
FSW 424-M02-15W (72-13)	7/19/2001	83	<0.7	5	1024	151
FSW 424-M01-01PT	7/9/2002	343	<0.7	<5	1058	165
FSW 424-M01-02GNT	7/9/2002	395	<0.7	17	1329	152
FSW 424-M01-03RT	7/9/2002	397	<0.7	157	1349	182
FSW 424-M01-04BUT	7/9/2002	0	<0.7	157	1313	136
FSW 424-M01-04BUT-D	7/9/2002	0	<0.7	157	1299	137
FSW 424-M01-05BKT	7/9/2002	4	<0.7	157	1179	109
FSW 424-M01-06WT	7/9/2002	0	<0.7	163	1023	59
FSW 424-M01-07O	7/9/2002	0	<0.7	105	910	52
FSW 424-M01-08GY	7/9/2002	0	<0.7	54	527	68
FSW 424-M01-09Y	7/9/2002	91	<0.7	42	300	85
FSW 424-M01-10P	7/9/2002	50	<0.7	1	190	105

Table 7. Concentrations of anions and ammonium for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Nitrate, dissolved (µM)	Nitrite, dissolved (µM)	Ammonium, dissolved (µM)	Chloride, dissolved (µM)	Sulfate, dissolved (µM)
FSW 424-M01-11GN	7/9/2002	47	<0.7	4	190	116
FSW 424-M01-12R	7/9/2002	45	<0.7	1	180	125
FSW 424-M01-13BU	7/9/2002	45	<0.7	<5	193	141
FSW 424-M01-14BK	7/9/2002	47	<0.7	3	188	160
FSW 424-M01-15W	7/9/2002	51	<0.7	5	162	169
FSW 424-M02-01PT (72-13)	7/9/2002	--	--	--	--	--
FSW 424-M02-02GNT (72-13)	7/9/2002	0	<0.7	4	456	46
FSW 424-M02-03RT (72-13)	7/9/2002	4	<0.7	<5	370	43
FSW 424-M02-03RT (72-13)-D	7/9/2002	4	<0.7	<5	370	42
FSW 424-M02-04BUT (72-13)	7/9/2002	11	<0.7	<5	327	46
FSW 424-M02-05BKT (72-13)	7/9/2002	69	<0.7	6	356	63
FSW 424-M02-06WT (72-13)	7/9/2002	165	<0.7	1	554	126
FSW 424-M02-07O (72-13)	7/9/2002	191	<0.7	<5	718	146
FSW 424-M02-08GY (72-13)	7/9/2002	135	0.8	7	703	142
FSW 424-M02-09Y (72-13)	7/9/2002	58	5.8	<5	593	142
FSW 424-M02-10P (72-13)	7/9/2002	21	2.4	<5	534	167
FSW 424-M02-11GN (72-13)	7/9/2002	31	0.7	7	604	194
FSW 424-M02-12R (72-13)	7/9/2002	80	1.0	<5	749	208
FSW 424-M02-13BU (72-13)	7/9/2002	188	<0.7	2	909	203
FSW 424-M02-14BK (72-13)	7/9/2002	269	<0.7	8	1032	203
FSW 424-M02-15W (72-13)	7/9/2002	53	<0.7	4	1069	229
FSW 424-M01-01PT	5/29/2003	153	8.2	<5	1065	147
FSW 424-M01-02GNT	5/29/2003	0	<0.7	<5	1082	143
FSW 424-M01-02GNT-D	5/29/2003	0	<0.7	<5	1176	148
FSW 424-M01-03RT	5/29/2003	0	<0.7	118	1187	116
FSW 424-M01-04BUT	5/29/2003	0	<0.7	79	1107	116
FSW 424-M01-05BKT	5/29/2003	0	<0.7	69	1077	90
FSW 424-M01-06WT	5/29/2003	0	<0.7	87	1129	89
FSW 424-M01-07O	5/29/2003	0	<0.7	88	841	79
FSW 424-M01-08GY	5/29/2003	13	<0.7	63	540	95
FSW 424-M01-09Y	5/29/2003	100	<0.7	4	254	121
FSW 424-M01-10P	5/29/2003	47	<0.7	<5	200	117
FSW 424-M01-11GN	5/29/2003	47	<0.7	<5	189	114
FSW 424-M01-12R	5/29/2003	31	<0.7	<5	125	76
FSW 424-M01-13BU	5/29/2003	44	<0.7	<5	202	126

Table 7. Concentrations of anions and ammonium for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Nitrate, dissolved (µM)	Nitrite, dissolved (µM)	Ammonium, dissolved (µM)	Chloride, dissolved (µM)	Sulfate, dissolved (µM)
FSW 424-M01-13BU-D	5/29/2003	44	<0.7	<5	201	126
FSW 424-M01-14BK	5/29/2003	43	<0.7	<5	195	138
FSW 424-M01-15W	5/29/2003	52	<0.7	<5	156	151
FSW 424-M02-01PT (72-13)	5/29/2003	0	<0.7	<5	497	71
FSW 424-M02-02GNT (72-13)	5/29/2003	0	<0.7	<5	2617	40
FSW 424-M02-03RT (72-13)	5/29/2003	7	<0.7	<5	2145	38
FSW 424-M02-04BUT (72-13)	5/29/2003	8	<0.7	<5	594	56
FSW 424-M02-05BKT (72-13)	5/29/2003	10	<0.7	<5	212	78
FSW 424-M02-06WT (72-13)	5/29/2003	30	<0.7	<5	225	86
FSW 424-M02-06WT (72-13)-D	5/29/2003	30	<0.7	<5	225	86
FSW 424-M02-07O (72-13)	5/29/2003	67	<0.7	<5	270	97
FSW 424-M02-08GY (72-13)	5/29/2003	135	<0.7	<5	329	110
FSW 424-M02-09Y (72-13)	5/29/2003	179	<0.7	<5	363	126
FSW 424-M02-09Y (72-13)-D	5/29/2003	180	<0.7	<5	365	126
FSW 424-M02-10P (72-13)	5/29/2003	278	<0.7	<5	516	181
FSW 424-M02-11GN (72-13)	5/29/2003	185	6.8	<5	770	182
FSW 424-M02-12R (72-13)	5/29/2003	267	9.7	<5	964	205
FSW 424-M02-13BU (72-13)	5/29/2003	269	12.5	<5	967	205
FSW 424-M02-14BK (72-13)	5/29/2003	187	<0.7	<5	918	178
FSW 424-M02-15W (72-13)	5/29/2003	119	<0.7	13	900	192
FSW 424-M01-01PT	7/29/2004	0	<0.7	<5	625	126
FSW 424-M01-02GNT	7/29/2004	0	<0.7	86	792	123
FSW 424-M01-03RT	7/29/2004	0	<0.7	63	852	90
FSW 424-M01-04BUT	7/29/2004	0	<0.7	37	839	65
FSW 424-M01-05BKT	7/29/2004	0	<0.7	35	365	69
FSW 424-M01-06WT	7/29/2004	0	<0.7	60	326	72
FSW 424-M01-07O	7/29/2004	17	<0.7	57	275	77
FSW 424-M01-08GY	7/29/2004	90	<0.7	25	159	82
FSW 424-M01-09Y	7/29/2004	47	<0.7	<5	163	93
FSW 424-M01-09Y-D	7/29/2004	46	<0.7	<5	156	90
FSW 424-M01-10P	7/29/2004	40	<0.7	<5	169	106
FSW 424-M01-11GN	7/29/2004	37	<0.7	<5	173	120
FSW 424-M01-12R	7/29/2004	37	<0.7	<5	170	133
FSW 424-M01-13BU	7/29/2004	37	<0.7	<5	156	133
FSW 424-M01-14BK	7/29/2004	37	<0.7	<5	143	125

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Well or multilevel-sampler port	Date	Nitrate, dissolved (µM)	Nitrite, dissolved (µM)	Ammonium, dissolved (µM)	Chloride, dissolved (µM)	Sulfate, dissolved (µM)
FSW 424-M01-15W	7/29/2004	39	<0.7	<5	140	122
FSW 424-M01-15W-D	7/29/2004	40	<0.7	<5	145	127
FSW 424-M02-01PT	7/29/2004	0	<0.7	<5	1702	51
FSW 424-M02-02GNT	7/29/2004	0	<0.7	<5	1826	40
FSW 424-M02-03RT	7/29/2004	0	<0.7	<5	1388	44
FSW 424-M02-04BUT	7/29/2004	0	<0.7	<5	1096	47
FSW 424-M02-05BKT	7/29/2004	14	<0.7	<5	558	60
FSW 424-M02-06WT	7/29/2004	29	<0.7	<5	197	58
FSW 424-M02-07O	7/29/2004	53	<0.7	<5	175	76
FSW 424-M02-08GY	7/29/2004	69	<0.7	<5	216	83
FSW 424-M02-09Y	7/29/2004	88	<0.7	<5	243	114
FSW 424-M02-10P	7/29/2004	94	4.3	<5	277	139
FSW 424-M02-10P-D	7/29/2004	96	4.3	<5	282	142
FSW 424-M02-11GN	7/29/2004	99	8.4	<5	327	149
FSW 424-M02-12R	7/29/2004	89	17.5	<5	312	150
FSW 424-M02-15BK	7/29/2004	24	<0.7	<5	612	109
FSW 424-M02-W	7/29/2004	0	<0.7	<5	683	146
FSW 566-M01-01PT	12/8/1994	<5	<0.7	181	--	355
FSW 566-M01-02GNT	12/8/1994	<5	<0.7	229	--	352
FSW 566-M01-03RT	12/8/1994	--	--	--	--	--
FSW 566-M01-04BUT	12/8/1994	<5	<0.7	151	--	243
FSW 566-M01-05BKT	12/8/1994	<5	<0.7	176	--	206
FSW 566-M01-06WT	12/8/1994	<5	<0.7	133	--	113
FSW 566-M01-07O	12/8/1994	<5	<0.7	88	--	110
FSW 566-M01-08GY	12/8/1994	<5	<0.7	51	--	107
FSW 566-M01-09Y	12/8/1994	175	<0.7	19	--	85
FSW 566-M01-10P	12/8/1994	246	<0.7	10	--	95
FSW 566-M01-10P-D	12/8/1994	248	<0.7	9	--	96
FSW 566-M01-11GN	12/8/1994	79	<0.7	20	--	113
FSW 566-M01-12R	12/8/1994	77	<0.7	13	--	104
FSW 566-M01-13BU	12/8/1994	136	<0.7	15	--	114
FSW 566-M01-14BK	12/8/1994	214	<0.7	226	--	120
FSW 566-M01-15W	12/8/1994	211	<0.7	276	--	159
FSW 566-M02-01PT (65-12)	12/8/1994	<5	<0.7	8		--

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Well or multilevel-sampler port	Date	Nitrate, dissolved (µM)	Nitrite, dissolved (µM)	Ammonium, dissolved (µM)	Chloride, dissolved (µM)	Sulfate, dissolved (µM)
FSW 566-M02-02GNT (65-12)	12/8/1994	<5	<0.7	8		56
FSW 566-M02-03RT (65-12)	12/9/1994	65	<0.7	8		105
FSW 566-M02-04BUT (65-12)	12/9/1994	403	<0.7	9		153
FSW 566-M02-05BKT (65-12)	12/9/1994	1081	<0.7	11		197
FSW 566-M02-06WT (65-12)	12/9/1994	1565	6.4	12		224
FSW 566-M02-07O (65-12)	12/9/1994	1616	17.9	12		255
FSW 566-M02-08GY (65-12)	12/9/1994	1437	33.6	10		263
FSW 566-M02-09Y (65-12)	12/9/1994	1493	40.7	11		277
FSW 566-M02-10P (65-12)	12/9/1994	1472	47.9	10		284
FSW 566-M02-11GN (65-12)	12/9/1994	1602	53.6	10		278
FSW 566-M02-11GN (65-12)-D	12/9/1994	1584	53.6	11		282
FSW 566-M02-12R (65-12)	12/9/1994	1444	62.1	21	--	277
FSW 566-M02-13BU (65-12)	12/9/1994	453	27.9	11	--	300
FSW 566-M02-14BK (65-12)	12/9/1994	21	<0.7	71	--	333
FSW 566-M02-15W (65-12)	12/9/1994	<5	<0.7	149	--	353
FSW 566-M01-01PT	7/11/1996	356	<0.7	127	1316	253
FSW 566-M01-02GNT	7/11/1996	<5	<0.7	158	1315	256
FSW 566-M01-03RT	7/11/1996	--	--	--	1291	--
FSW 566-M01-04BUT	7/11/1996	<5	<0.7	101	1079	276
FSW 566-M01-05BKT	7/11/1996	<5	<0.7	89	777	227
FSW 566-M01-06WT	7/11/1996	<5	<0.7	87	584	172
FSW 566-M01-07O	7/11/1996	<5	<0.7	75	524	155
FSW 566-M01-08GY	7/11/1996	8	<0.7	41	614	86
FSW 566-M01-08GY-D	7/11/1996	8	<0.7	33	594	86
FSW 566-M01-09Y	7/11/1996	8	<0.7	44	592	86
FSW 566-M01-10P	7/11/1996	71	<0.7	<5	655	98
FSW 566-M01-11GN	7/11/1996	56	<0.7	<5	701	111
FSW 566-M01-12R	7/11/1996	61	<0.7	<5	572	82
FSW 566-M01-13BU	7/11/1996	84	<0.7	<5	248	111
FSW 566-M01-14BK	7/11/1996	194	<0.7	<5	171	175
FSW 566-M01-15W	7/11/1996	203	<0.7	96	179	160
FSW 566-M02-01PT (65-12)	7/11/1996	<5	<0.7	<5	98	48
FSW 566-M02-02GNT (65-12)	7/11/1996	<5	<0.7	<5	91	46
FSW 566-M02-02GNT (65-12)-D	7/11/1996	<5	<0.7	<5	93	46
FSW 566-M02-03RT (65-12)	7/11/1996	<5	<0.7	<5	101	54

Table 7. Concentrations of anions and ammonium for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Source of data: Richard L. Smith and Deborah A. Repert, U.S. Geological Survey, National Research Program, Boulder, CO. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; µM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Nitrate, dissolved (µM)	Nitrite, dissolved (µM)	Ammonium, dissolved (µM)	Chloride, dissolved (µM)	Sulfate, dissolved (µM)
FSW 566-M02-04BUT (65-12)	7/11/1996	68	<0.7	<5	221	53
FSW 566-M02-05BKT (65-12)	7/11/1996	221	<0.7	<5	398	48
FSW 566-M02-06WT (65-12)	7/11/1996	477	<0.7	<5	611	60
FSW 566-M02-07O (65-12)	7/11/1996	1163	38.0	<5	1328	287
FSW 566-M02-08GY (65-12)	7/11/1996	695	2.0	<5	863	139
FSW 566-M02-09Y (65-12)	7/11/1996	803	7.2	<5	946	197
FSW 566-M02-10P (65-12)	7/11/1996	901	16.2	<5	874	227
FSW 566-M02-11GN (65-12)	7/11/1996	1285	24.7	<5	1315	284
FSW 566-M02-11GN (65-12)-D	7/11/1996	1289	24.7	<5	1291	287
FSW 566-M02-12R (65-12)	7/11/1996	1182	37.8	<5	1401	289
FSW 566-M02-13BU (65-12)	7/11/1996	862	44.5	<5	1426	290
FSW 566-M02-14BK (65-12)	7/11/1996	957	32.1	<5	1429	293
FSW 566-M02-15W (65-12)	7/11/1996	1068	<0.7	67	1447	292
FSW 566-M01-01PT	6/5/1997	621	<0.7	83	1405	296
FSW 566-M01-01PT-D	6/5/1997	624	<0.7	78	1402	295
FSW 566-M01-02GNT	6/5/1997	<5	<0.7	155	1506	317
FSW 566-M01-03RT	6/5/1997	--	--	--	--	--
FSW 566-M01-04BUT	6/5/1997	<5	<0.7	135	1514	292
FSW 566-M01-05BKT	6/5/1997	<5	<0.7	148	1513	286
FSW 566-M01-06WT	6/5/1997	<5	<0.7	130	1540	270
FSW 566-M01-07O	6/5/1997	<5	<0.7	98	1269	225
FSW 566-M01-08GY	6/5/1997	14	<0.7	41	1054	215
FSW 566-M01-09Y	6/5/1997	244	4.5	11	790	212
FSW 566-M01-10P	6/5/1997	167	<0.7	10	619	106
FSW 566-M01-10P-D	6/5/1997	166	<0.7	--	612	108
FSW 566-M01-11GN	6/5/1997	58	<0.7	7	490	103
FSW 566-M01-12R	6/5/1997	60	<0.7	5	279	124
FSW 566-M01-13BU	6/5/1997	82	<0.7	5	176	124
FSW 566-M01-14BK	6/5/1997	164	<0.7	7	183	127
FSW 566-M01-15W	6/5/1997	179	<0.7	<5	181	192
FSW 566-M02-01PT (65-12)	6/6/1997	<5	<0.7	<5	98	35
FSW 566-M02-02GNT (65-12)	6/6/1997	18	<0.7	6	126	28
FSW 566-M02-03RT (65-12)	6/6/1997	7	<0.7	6	147	70
FSW 566-M02-04BUT (65-12)	6/6/1997	53	<0.7	9	261	77
FSW 566-M02-04BUT (65-12)-D	6/6/1997	52	<0.7	10	266	80

Table 7. Concentrations of anions and ammonium for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Source of data: Richard L. Smith and Deborah A. Repert, U.S. Geological Survey, National Research Program, Boulder, CO. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; µM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Nitrate, dissolved (µM)	Nitrite, dissolved (µM)	Ammonium, dissolved (µM)	Chloride, dissolved (µM)	Sulfate, dissolved (µM)
FSW 566-M02-05BKT (65-12)	6/6/1997	377	<0.7	10	594	79
FSW 566-M02-06WT (65-12)	6/6/1997	878	<0.7	18	867	104
FSW 566-M02-07O (65-12)	6/6/1997	1063	<0.7	15	868	170
FSW 566-M02-08GY (65-12)	6/6/1997	1377	0.9	21	1185	207
FSW 566-M02-09Y (65-12)	6/6/1997	1450	0.9	17	1343	241
FSW 566-M02-10P (65-12)	6/6/1997	1420	2.1	21	1413	248
FSW 566-M02-11GN (65-12)	6/6/1997	1324	6.3	20	1402	241
FSW 566-M02-12R (65-12)	6/6/1997	1360	20.0	20	1443	252
FSW 566-M02-13BU (65-12)	6/6/1997	1301	26.3	27	1459	253
FSW 566-M02-13BU (65-12)-D	6/6/1997	1297	26.3	25	1445	260
FSW 566-M02-14BK (65-12)	6/6/1997	1353	26.5	28	1566	286
FSW 566-M02-15W (65-12)	6/6/1997	1165	34.9	27	1447	292
FSW 566-M01-01PT	5/13/1998	739	29.3	<5	1408	285
FSW 566-M01-02GNT	5/13/1998	48	<0.7	98	1446	267
FSW 566-M01-03RT	5/13/1998	<5	<0.7	145	1477	301
FSW 566-M01-04BUT	5/13/1998	<5	<0.7	184	1489	263
FSW 566-M01-05BKT	5/13/1998	<5	<0.7	185	1345	275
FSW 566-M01-06WT	5/13/1998	<5	<0.7	137	1418	252
FSW 566-M01-06WT-D	5/13/1998	<5	<0.7	139	1408	252
FSW 566-M01-07O	5/13/1998	135	<0.7	30	1308	266
FSW 566-M01-08GY	5/13/1998	452	<0.7	29	1214	279
FSW 566-M01-09Y	5/13/1998	308	3.7	<5	777	268
FSW 566-M01-10P	5/13/1998	74	<0.7	<5	254	163
FSW 566-M01-11GN	5/13/1998	48	<0.7	<5	189	138
FSW 566-M01-12R	5/13/1998	69	<0.7	<5	232	139
FSW 566-M01-13BU	5/13/1998	58	<0.7	<5	187	144
FSW 566-M01-14BK	5/13/1998	137	<0.7	8	178	191
FSW 566-M01-15W	5/13/1998	161	<0.7	<5	188	190
FSW 566-M01-15W-D	5/13/1998	160	<0.7	<5	194	190
FSW 566-M02-01PT (65-12)	5/13/1998	<5	<0.7	<5	97	41
FSW 566-M02-02GNT (65-12)	5/13/1998	<5	<0.7	<5	89	66
FSW 566-M02-03RT (65-12)	5/13/1998	6	<0.7	7	139	110
FSW 566-M02-04BUT (65-12)	5/13/1998	51	<0.7	5	248	79
FSW 566-M02-05BKT (65-12)	5/13/1998	186	<0.7	<5	328	72
FSW 566-M02-06WT (65-12)	5/13/1998	439	<0.7	<5	522	129

Table 7. Concentrations of anions and ammonium for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Source of data: Richard L. Smith and Deborah A. Repert, U.S. Geological Survey, National Research Program, Boulder, CO. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; µM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Nitrate, dissolved (µM)	Nitrite, dissolved (µM)	Ammonium, dissolved (µM)	Chloride, dissolved (µM)	Sulfate, dissolved (µM)
FSW 566-M02-07O (65-12)	5/13/1998	690	1.5	<5	787	170
FSW 566-M02-08GY (65-12)	5/13/1998	965	1.1	<5	1044	217
FSW 566-M02-09Y (65-12)	5/13/1998	1173	1.3	<5	1284	229
FSW 566-M02-09Y (65-12)-D	5/13/1998	1159	1.3	<5	1304	230
FSW 566-M02-10P (65-12)	5/13/1998	1192	2.8	<5	1478	238
FSW 566-M02-11GN (65-12)	5/13/1998	1155	12.6	<5	1486	251
FSW 566-M02-12R (65-12)	5/13/1998	1022	24.7	<5	1473	260
FSW 566-M02-13BU (65-12)	5/13/1998	729	24.1	<5	1571	272
FSW 566-M02-14BK (65-12)	5/13/1998	769	33.9	<5	1483	274
FSW 566-M02-15W (65-12)	5/13/1998	701	52.3	<5	1446	279
FSW 566-M01-01PT	6/10/1999	<5	2.2	<5	691	178
FSW 566-M01-02GNT	6/10/1999	<5	<0.7	15	702	105
FSW 566-M01-03RT	6/10/1999	<5	<0.7	70	680	88
FSW 566-M01-04BUT	6/10/1999	<5	<0.7	55	733	125
FSW 566-M01-04BUT-D	6/10/1999	<5	<0.7	51	728	124
FSW 566-M01-05BKT	6/10/1999	<5	<0.7	71	654	122
FSW 566-M01-06WT	6/10/1999	<5	<0.7	40	411	111
FSW 566-M01-07O	6/10/1999	52	<0.7	8	350	85
FSW 566-M01-08GY	6/10/1999	67	1.1	<5	285	81
FSW 566-M01-09Y	6/10/1999	49	<0.7	<5	181	99
FSW 566-M01-10P	6/10/1999	42	<0.7	<5	168	137
FSW 566-M01-10P-D	6/10/1999	42	<0.7	<5	173	137
FSW 566-M01-11GN	6/10/1999	41	<0.7	<5	175	158
FSW 566-M01-12R	6/10/1999	44	<0.7	12	161	169
FSW 566-M01-13BU	6/10/1999	63	<0.7	<5	156	154
FSW 566-M01-14BK	6/10/1999	75	<0.7	<5	162	167
FSW 566-M01-15W	6/10/1999	174	<0.7	<5	169	193
FSW 566-M02-01PT (65-12)	6/10/1999	<5	<0.7	<5	100	51
FSW 566-M02-02GNT (65-12)	6/10/1999	<5	<0.7	6	153	76
FSW 566-M02-03RT (65-12)	6/10/1999	19	<0.7	5	234	69
FSW 566-M02-04BUT (65-12)	6/10/1999	86	<0.7	<5	275	84
FSW 566-M02-05BKT (65-12)	6/10/1999	248	<0.7	7	363	115
FSW 566-M02-06WT (65-12)	6/10/1999	422	5.5	<5	417	139
FSW 566-M02-07O (65-12)	6/10/1999	553	<0.7	<5	558	145
FSW 566-M02-08GY (65-12)	6/10/1999	433	<0.7	8	667	143

Table 7. Concentrations of anions and ammonium for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Nitrate, dissolved (µM)	Nitrite, dissolved (µM)	Ammonium, dissolved (µM)	Chloride, dissolved (µM)	Sulfate, dissolved (µM)
FSW 566-M02-09Y (65-12)	6/10/1999	155	<0.7	<5	658	152
FSW 566-M02-10P (65-12)	6/10/1999	63	1.1	6	692	142
FSW 566-M02-11GN (65-12)	6/10/1999	16	3.3	<5	819	115
FSW 566-M02-11GN (65-12)-D	6/10/1999	16	3.6	<5	819	116
FSW 566-M02-12R (65-12)	6/10/1999	15	5.3	<5	1176	108
FSW 566-M02-13BU (65-12)	6/10/1999	11	7.0	<5	990	112
FSW 566-M02-13BU (65-12)-D	6/10/1999	12	6.8	<5	1067	118
FSW 566-M02-14BK (65-12)	6/10/1999	9	5.6	<5	692	135
FSW 566-M02-15W (65-12)	6/10/1999	16	14.2	<5	716	168
FSW 566-M01-01PT	6/1/2000	<5	<0.7	<5	460	159
FSW 566-M01-02GNT	6/1/2000	<5	<0.7	52	658	182
FSW 566-M01-03RT	6/1/2000	<5	<0.7	78	720	191
FSW 566-M01-04BUT	6/1/2000	<5	<0.7	32	377	122
FSW 566-M01-05BKT	6/1/2000	<5	<0.7	29	284	96
FSW 566-M01-06WT	6/1/2000	<5	<0.7	22	302	77
FSW 566-M01-06WT-D	6/1/2000	<5	<0.7	--	301	77
FSW 566-M01-07O	6/1/2000	22	0.8	<5	298	75
FSW 566-M01-08GY	6/1/2000	39	<0.7	<5	284	77
FSW 566-M01-09Y	6/1/2000	50	<0.7	<5	209	98
FSW 566-M01-10P	6/1/2000	45	<0.7	<5	183	112
FSW 566-M01-11GN	6/1/2000	38	<0.7	<5	196	163
FSW 566-M01-12R	6/1/2000	43	<0.7	<5	195	189
FSW 566-M01-13BU	6/1/2000	53	<0.7	<5	167	210
FSW 566-M01-14BK	6/1/2000	68	<0.7	<5	171	214
FSW 566-M01-15W	6/1/2000	115	<0.7	<5	182	220
FSW 566-M02-01PT (65-12)	6/1/2000	<5	<0.7	<5	124	32
FSW 566-M02-02GNT (65-12)	6/1/2000	<5	<0.7	<5	113	39
FSW 566-M02-03RT (65-12)	6/1/2000	<5	<0.7	<5	151	46
FSW 566-M02-04BUT (65-12)	6/1/2000	52	<0.7	<5	194	54
FSW 566-M02-05BKT (65-12)	6/1/2000	170	<0.7	<5	194	65
FSW 566-M02-06WT (65-12)	6/1/2000	221	<0.7	<5	206	87
FSW 566-M02-07O (65-12)	6/1/2000	95	<0.7	<5	287	134
FSW 566-M02-08GY (65-12)	6/1/2000	31	<0.7	13	370	124
FSW 566-M02-09Y (65-12)	6/1/2000	<5	<0.7	14	432	100
FSW 566-M02-10P (65-12)	6/1/2000	<5	<0.7	<5	450	81

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Well or multilevel-sampler port	Date	Nitrate, dissolved (µM)	Nitrite, dissolved (µM)	Ammonium, dissolved (µM)	Chloride, dissolved (µM)	Sulfate, dissolved (µM)
FSW 566-M02-10P (65-12)-D	6/1/2000	<5	<0.7	<5	446	80
FSW 566-M02-11GN (65-12)	6/1/2000	<5	<0.7	<5	473	84
FSW 566-M02-12R (65-12)	6/1/2000	<5	<0.7	<5	448	92
FSW 566-M02-12R (65-12)-D	6/1/2000	<5	<0.7	<5	448	92
FSW 566-M02-13BU (65-12)	6/1/2000	<5	<0.7	<5	428	91
FSW 566-M02-14BK (65-12)	6/1/2000	<5	<0.7	<5	474	112
FSW 566-M02-15W (65-12)	6/1/2000	<5	<0.7	<5	470	128
FSW 566-M01-01PT	7/15/2002	<5	<0.7	14	662	118
FSW 566-M01-02GNT	7/15/2002	<5	<0.7	24	705	147
FSW 566-M01-03RT	7/15/2002	<5	<0.7	19	559	174
FSW 566-M01-04BUT	7/15/2002	<5	<0.7	13	332	153
FSW 566-M01-04BUT-D	7/15/2002	<5	<0.7	12	333	154
FSW 566-M01-05BKT	7/15/2002	<5	<0.7	15	266	135
FSW 566-M01-06WT	7/15/2002	<5	<0.7	16	218	120
FSW 566-M01-07O	7/15/2002	33	<0.7	<5	219	113
FSW 566-M01-08GY	7/15/2002	40	<0.7	<5	207	109
FSW 566-M01-09Y	7/15/2002	39	<0.7	7	177	111
FSW 566-M01-10P	7/15/2002	37	<0.7	<5	180	123
FSW 566-M01-11GN	7/15/2002	33	<0.7	<5	191	149
FSW 566-M01-12R	7/15/2002	38	<0.7	<5	187	161
FSW 566-M01-13BU	7/15/2002	37	<0.7	<5	173	151
FSW 566-M01-14BK	7/15/2002	48	<0.7	<5	177	163
FSW 566-M01-15W	7/15/2002	59	<0.7	<5	182	156
FSW 566-M02-01PT (65-12)	7/15/2002	<5	<0.7	<5	95	34
FSW 566-M02-02GNT (65-12)	7/15/2002	<5	<0.7	--	88	39
FSW 566-M02-03RT (65-12)	7/15/2002	<5	<0.7	--	120	50
FSW 566-M02-04BUT (65-12)	7/15/2002	18	<0.7	<5	261	57
FSW 566-M02-05BKT (65-12)	7/15/2002	104	<0.7	<5	271	67
FSW 566-M02-05BKT (65-12)-D	7/15/2002	105	<0.7	<5	269	67
FSW 566-M02-06WT (65-12)	7/15/2002	186	<0.7	<5	264	93
FSW 566-M02-07O (65-12)	7/15/2002	239	<0.7	6	361	145
FSW 566-M02-08GY (65-12)	7/15/2002	276	5.8	<5	576	178
FSW 566-M02-09Y (65-12)	7/15/2002	289	12.7	<5	832	181
FSW 566-M02-10P (65-12)	7/15/2002	227	16.0	<5	829	152
FSW 566-M02-11GN (65-12)	7/15/2002	118	15.7	<5	679	146

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Well or multilevel-sampler port	Date	Nitrate, dissolved (µM)	Nitrite, dissolved (µM)	Ammonium, dissolved (µM)	Chloride, dissolved (µM)	Sulfate, dissolved (µM)
FSW 566-M02-12R (65-12)	7/15/2002	61	<0.7	14	594	150
FSW 566-M02-13BU (65-12)	7/15/2002	112	<0.7	21	713	159
FSW 566-M02-14BK (65-12)	7/15/2002	142	8.6	6	794	150
FSW 566-M02-15W (65-12)	7/15/2002	157	30.7	<5	893	124
FSW 566-M01-01PT	8/17/2004	<5	<0.7	13	1138	71
FSW 566-M01-02GNT	8/17/2004	<5	<0.7	30	1223	78
FSW 566-M01-03RT	8/17/2004	<5	<0.7	73	1122	113
FSW 566-M01-04BUT	8/17/2004	<5	<0.7	28	851	97
FSW 566-M01-04BUT-D	8/17/2004	<5	<0.7	29	848	96
FSW 566-M01-05BKT	8/17/2004	<5	<0.7	8	780	89
FSW 566-M01-06WT	8/17/2004	<5	<0.7	<5	284	82
FSW 566-M01-07O	8/17/2004	45	<0.7	<5	188	88
FSW 566-M01-08GY	8/17/2004	39	<0.7	<5	152	101
FSW 566-M01-09Y	8/17/2004	35	<0.7	<5	161	123
FSW 566-M01-10P	8/17/2004	35	<0.7	<5	183	149
FSW 566-M01-11GN	8/17/2004	31	<0.7	<5	184	153
FSW 566-M01-11GN-D	8/17/2004	35	<0.7	<5	161	131
FSW 566-M01-12R	8/17/2004	31	<0.7	<5	183	152
FSW 566-M01-13BU	8/17/2004	35	<0.7	<5	166	121
FSW 566-M01-14BK	8/17/2004	39	<0.7	<5	173	112
FSW 566-M01-15W	8/17/2004	47	<0.7	<5	176	119
FSW 566-M02-01PT (65-12)	8/17/2004	<5	<0.7	<5	56	29
FSW 566-M02-02GNT (65-12)	8/17/2004	<5	<0.7	<5	74	35
FSW 566-M02-03RT (65-12)	8/17/2004	<5	<0.7	<5	123	39
FSW 566-M02-04BUT (65-12)	8/17/2004	25	<0.7	<5	166	47
FSW 566-M02-05BKT (65-12)	8/17/2004	127	<0.7	<5	186	68
FSW 566-M02-06WT (65-12)	8/17/2004	139	<0.7	<5	223	96
FSW 566-M02-07O (65-12)	8/17/2004	56	1.3	<5	314	108
FSW 566-M02-08GY (65-12)	8/17/2004	20	1.3	<5	331	104
FSW 566-M02-09Y (65-12)	8/17/2004	9	<0.7	<5	321	98
FSW 566-M02-10P (65-12)	8/17/2004	<5	<0.7	<5	277	100
FSW 566-M02-11GN (65-12)	8/17/2004	<5	<0.7	<5	273	108
FSW 566-M02-12R (65-12)	8/17/2004	<5	<0.7	<5	279	99
FSW 566-M02-13BU (65-12)	8/17/2004	<5	<0.7	10	310	100
FSW 566-M02-13BU (65-12)-D	8/17/2004	<5	<0.7	11	305	99

Table 7. Concentrations of anions and ammonium for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Source of data: Richard L. Smith and Deborah A. Repert, U.S. Geological Survey, National Research Program, Boulder, CO. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; µM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Nitrate, dissolved (µM)	Nitrite, dissolved (µM)	Ammonium, dissolved (µM)	Chloride, dissolved (µM)	Sulfate, dissolved (µM)
FSW 566-M02-14BK (65-12)	8/17/2004	<5	<0.7	15	365	105
FSW 566-M02-15W (65-12)	8/17/2004	<5	<0.7	21	613	89
FSW 575-M01-01PT	7/10/1996	144	53.8	<5	1477	353
FSW 575-M01-02GNT	7/10/1996	53	<0.7	109	1504	327
FSW 575-M01-03RT	7/10/1996	<5	<0.7	138	1583	312
FSW 575-M01-04BUT	7/10/1996	<5	<0.7	178	1473	298
FSW 575-M01-05BKT	7/10/1996	<5	<0.7	165	1587	274
FSW 575-M01-05BKT-D	7/10/1996	<5	<0.7	154	1494	264
FSW 575-M01-06WT	7/10/1996	<5	<0.7	170	1534	260
FSW 575-M01-07O	7/10/1996	<5	<0.7	155	1265	234
FSW 575-M01-08GY	7/10/1996	<5	<0.7	90	1204	340
FSW 575-M01-09Y	7/10/1996	234	11.3	31	1062	200
FSW 575-M01-10P	7/10/1996	283	<0.7	15	746	220
FSW 575-M01-11GN	7/10/1996	39	<0.7	6	456	147
FSW 575-M01-12R	7/10/1996	48	<0.7	<5	309	153
FSW 575-M01-13BU	7/10/1996	48	<0.7	<5	241	169
FSW 575-M01-14BK	7/10/1996	57	<0.7	<5	294	129
FSW 575-M01-14BK-D	7/10/1996	57	<0.7	<5	290	129
FSW 575-M01-15W	7/10/1996	48	<0.7	<5	236	169
FSW 575-M02-01PT (44-19)	7/10/1996	<5	<0.7	13	91	52
FSW 575-M02-02GNT (44-19)	7/10/1996	8	<0.7	20	122	50
FSW 575-M02-03RT (44-19)	7/10/1996	162	<0.7	24	245	109
FSW 575-M02-04BUT (44-19)	7/10/1996	554	<0.7	17	390	182
FSW 575-M02-05BKT (44-19)	7/10/1996	1174	<0.7	<5	559	238
FSW 575-M02-06WT (44-19)	7/10/1996	1420	1.1	<5	946	269
FSW 575-M02-07O (44-19)	7/10/1996	1596	0.8	<5	1089	271
FSW 575-M02-08GY (44-19)	7/10/1996	1462	1.2	16	1288	282
FSW 575-M02-09Y (44-19)	7/10/1996	1262	0.9	<5	1429	289
FSW 575-M02-10P (44-19)	7/10/1996	1271	5.1	<5	1379	279
FSW 575-M02-11GN (44-19)	7/10/1996	1218	6.7	<5	1359	276
FSW 575-M02-12R (44-19)	7/10/1996	1255	14.0	21	1424	286
FSW 575-M02-13BU (44-19)	7/10/1996	1235	18.3	<5	1401	287
FSW 575-M02-14BK (44-19)	7/10/1996	1315	30.1	13	1297	278
FSW 575-M02-15W (44-19)	7/10/1996	1108	46.6	<5	1380	280

Table 7. Concentrations of anions and ammonium for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Source of data: Richard L. Smith and Deborah A. Repert, U.S. Geological Survey, National Research Program, Boulder, CO. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; µM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Nitrate, dissolved (µM)	Nitrite, dissolved (µM)	Ammonium, dissolved (µM)	Chloride, dissolved (µM)	Sulfate, dissolved (µM)
FSW 575-M01-01PT	6/18/1997	713	69.6	<5	1367	296
FSW 575-M01-02GNT	6/18/1997	437	62.8	<5	1307	295
FSW 575-M01-03RT	6/18/1997	<5	<0.7	102	1459	279
FSW 575-M01-04BUT	6/18/1997	<5	<0.7	111	1502	282
FSW 575-M01-05BKT	6/18/1997	<5	<0.7	100	1415	294
FSW 575-M01-06WT	6/18/1997	<5	<0.7	90	1325	239
FSW 575-M01-07O	6/18/1997	<5	<0.7	94	1427	248
FSW 575-M01-07O-D	6/18/1997	<5	<0.7	95	1445	250
FSW 575-M01-08GY	6/18/1997	308	<0.7	31	1272	251
FSW 575-M01-09Y	6/18/1997	476	4.5	14	1399	273
FSW 575-M01-10P	6/18/1997	617	<0.7	18	830	208
FSW 575-M01-11GN	6/18/1997	79	<0.7	<5	405	127
FSW 575-M01-12R	6/18/1997	49	<0.7	<5	277	139
FSW 575-M01-13BU	6/18/1997	39	<0.7	<5	218	144
FSW 575-M01-14BK	6/18/1997	56	<0.7	<5	178	130
FSW 575-M01-15W	6/18/1997	80	<0.7	<5	184	205
FSW 575-M02-01PT (44-19)	6/18/1997	9	<0.7	11	146	56
FSW 575-M02-01PT (44-19)-D	6/18/1997	8	<0.7	11	132	52
FSW 575-M02-02GNT (44-19)	6/18/1997	48	<0.7	<5	214	59
FSW 575-M02-03RT (44-19)	6/18/1997	60	<0.7	9	299	87
FSW 575-M02-04BUT (44-19)	6/18/1997	360	<0.7	6	505	105
FSW 575-M02-05BKT (44-19)	6/18/1997	501	<0.7	7	678	163
FSW 575-M02-06WT (44-19)	6/18/1997	1014	<0.7	6	1359	246
FSW 575-M02-07O (44-19)	6/18/1997	1108	<0.7	18	1428	253
FSW 575-M02-08GY (44-19)	6/18/1997	1120	<0.7	13	1399	250
FSW 575-M02-09Y (44-19)	6/18/1997	1177	1.1	10	1401	267
FSW 575-M02-10P (44-19)	6/18/1997	1161	17.2	11	1375	278
FSW 575-M02-10P (44-19)-D	6/18/1997	1155	17.4	9	1368	265
FSW 575-M02-11GN (44-19)	6/18/1997	1073	24.4	7	1379	305
FSW 575-M02-12R (44-19)	6/18/1997	1045	4.6	18	1473	289
FSW 575-M02-13BU (44-19)	6/18/1997	985	4.3	10	1479	294
FSW 575-M02-14BK (44-19)	6/18/1997	914	15.2	8	1449	303
FSW 575-M02-15W (44-19)	6/18/1997	933	39.1	13	1482	309
FSW 575-M01-01PT	6/3/1998	362	47.9	5	1350	294
FSW 575-M01-02GNT	6/3/1998	349	73.7	<5	1419	291

Table 7. Concentrations of anions and ammonium for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Nitrate, dissolved (µM)	Nitrite, dissolved (µM)	Ammonium, dissolved (µM)	Chloride, dissolved (µM)	Sulfate, dissolved (µM)
FSW 575-M01-03RT	6/3/1998	144	56.0	11	1004	246
FSW 575-M01-03RT-D	6/3/1998	143	59.0	7	1018	248
FSW 575-M01-04BUT	6/3/1998	<5	<0.7	8	870	222
FSW 575-M01-05BKT	6/3/1998	<5	<0.7	6	889	158
FSW 575-M01-06WT	6/3/1998	<5	<0.7	14	881	188
FSW 575-M01-07O	6/3/1998	<5	<0.7	29	714	153
FSW 575-M01-08GY	6/3/1998	17	4.1	13	500	119
FSW 575-M01-09Y	6/3/1998	49	2.8	23	278	104
FSW 575-M01-10P	6/3/1998	103	<0.7	17	359	89
FSW 575-M01-11GN	6/3/1998	39	<0.7	15	165	134
FSW 575-M01-12R	6/3/1998	36	<0.7	<5	168	161
FSW 575-M01-12R-D	6/3/1998	36	<0.7	<5	166	161
FSW 575-M01-13BU	6/3/1998	37	<0.7	<5	158	177
FSW 575-M01-14BK	6/3/1998	48	<0.7	<5	153	166
FSW 575-M01-15W	6/3/1998	57	<0.7	<5	162	182
FSW 575-M02-01PT (44-19)	6/3/1998	20	<0.7	<5	124	48
FSW 575-M02-02GNT (44-19)	6/3/1998	24	<0.7	<5	188	74
FSW 575-M02-03RT (44-19)	6/3/1998	111	<0.7	10	204	97
FSW 575-M02-04BUT (44-19)	6/3/1998	392	<0.7	<5	169	112
FSW 575-M02-05BKT (44-19)	6/3/1998	625	<0.7	6	231	146
FSW 575-M02-06WT (44-19)	6/3/1998	636	2.3	8	382	168
FSW 575-M02-06WT (44-19)-D	6/3/1998	626	2.1	7	376	167
FSW 575-M02-07O (44-19)	6/3/1998	522	<0.7	15	454	179
FSW 575-M02-08GY (44-19)	6/3/1998	361	<0.7	20	701	191
FSW 575-M02-09Y (44-19)	6/3/1998	333	9.7	6	919	184
FSW 575-M02-10P (44-19)	6/3/1998	348	22.7	<5	1004	185
FSW 575-M02-11GN (44-19)	6/3/1998	276	19.4	6	988	194
FSW 575-M02-12R (44-19)	6/3/1998	132	9.4	<5	881	178
FSW 575-M02-13BU (44-19)	6/3/1998	158	15.4	7	1020	173
FSW 575-M02-14BK (44-19)	6/3/1998	152	18.9	6	1009	149
FSW 575-M02-15W (44-19)	6/3/1998	270	29.3	11	1159	257
FSW 575-M01-01PT	6/7/1999	<5	<0.7	6	563	101
FSW 575-M01-02GNT	6/7/1999	<5	<0.7	9	617	103
FSW 575-M01-03RT	6/7/1999	<5	<0.7	<5	711	123
FSW 575-M01-04BUT	6/7/1999	<5	<0.7	9	886	125

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Well or multilevel-sampler port	Date	Nitrate, dissolved (µM)	Nitrite, dissolved (µM)	Ammonium, dissolved (µM)	Chloride, dissolved (µM)	Sulfate, dissolved (µM)
FSW 575-M01-05BKT	6/7/1999	<5	<0.7	10	796	114
FSW 575-M01-06WT	6/7/1999	<5	<0.7	8	550	146
FSW 575-M01-06WT-D	6/7/1999	<5	<0.7	9	546	145
FSW 575-M01-07O	6/7/1999	<5	<0.7	16	726	109
FSW 575-M01-08GY	6/7/1999	19	4.4	7	600	82
FSW 575-M01-09Y	6/7/1999	51	<0.7	<5	633	79
FSW 575-M01-09Y-D	6/7/1999	51	<0.7	<5	649	77
FSW 575-M01-10P	6/7/1999	47	<0.7	<5	234	99
FSW 575-M01-11GN	6/7/1999	38	<0.7	<5	174	174
FSW 575-M01-12R	6/7/1999	38	<0.7	<5	162	176
FSW 575-M01-13BU	6/7/1999	39	<0.7	<5	165	169
FSW 575-M01-14BK	6/7/1999	53	<0.7	<5	161	173
FSW 575-M01-15W	6/7/1999	54	<0.7	<5	164	193
FSW 575-M02-01PT (44-19)	6/7/1999	<5	<0.7	6	124	64
FSW 575-M02-02GNT (44-19)	6/7/1999	47	<0.7	8	184	78
FSW 575-M02-03RT (44-19)	6/7/1999	244	<0.7	<5	166	98
FSW 575-M02-04BUT (44-19)	6/7/1999	273	<0.7	<5	207	116
FSW 575-M02-05BKT (44-19)	6/7/1999	--	--	6	--	--
FSW 575-M02-06WT (44-19)	6/7/1999	252	5.0	8	813	126
FSW 575-M02-07O (44-19)	6/7/1999	249	5.9	7	803	124
FSW 575-M02-07O (44-19)-D	6/7/1999	188	6.0	7	776	146
FSW 575-M02-08GY (44-19)	6/7/1999	65	10.3	<5	362	152
FSW 575-M02-09Y (44-19)	6/7/1999	43	12.8	6	291	146
FSW 575-M02-10P (44-19)	6/7/1999	32	12.9	<5	330	134
FSW 575-M02-11GN (44-19)	6/7/1999	23	11.4	8	361	121
FSW 575-M02-12R (44-19)	6/7/1999	<5	1.4	7	474	97
FSW 575-M02-13BU (44-19)	6/7/1999	<5	<0.7	<5	491	101
FSW 575-M02-14BK (44-19)	6/7/1999	<5	<0.7	8	552	86
FSW 575-M02-15W (44-19)	6/7/1999	<5	<0.7	<5	506	74
FSW 575-M01-01PT	5/31/2000	<5	<0.7	<5	551	122
FSW 575-M01-02GNT	5/31/2000	<5	<0.7	<5	588	178
FSW 575-M01-03RT	5/31/2000	<5	<0.7	<5	708	189
FSW 575-M01-04BUT	5/31/2000	<5	<0.7	12	700	137
FSW 575-M01-05BKT	5/31/2000	<5	<0.7	<5	570	112
FSW 575-M01-06WT	5/31/2000	<5	<0.7	19	530	65

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Well or multilevel-sampler port	Date	Nitrate, dissolved (µM)	Nitrite, dissolved (µM)	Ammonium, dissolved (µM)	Chloride, dissolved (µM)	Sulfate, dissolved (µM)
FSW 575-M01-07O	5/31/2000	<5	<0.7	7	503	92
FSW 575-M01-08GY	5/31/2000	28	2.3	<5	342	68
FSW 575-M01-09Y	5/31/2000	56	<0.7	<5	511	58
FSW 575-M01-09Y-D	5/31/2000	55	<0.7	<5	510	58
FSW 575-M01-10P	5/31/2000	55	<0.7	<5	438	62
FSW 575-M01-11GN	5/31/2000	44	<0.7	<5	207	130
FSW 575-M01-12R	5/31/2000	43	<0.7	<5	177	170
FSW 575-M01-13BU	5/31/2000	46	<0.7	<5	164	172
FSW 575-M01-14BK	5/31/2000	48	<0.7	<5	169	151
FSW 575-M01-15W	5/31/2000	52	<0.7	<5	159	198
FSW 575-M02-01PT (44-19)	5/31/2000	<5	<0.7	<5	99	28
FSW 575-M02-02GNT (44-19)	5/31/2000	18	<0.7	<5	147	51
FSW 575-M02-03RT (44-19)	5/31/2000	73	<0.7	<5	172	67
FSW 575-M02-03RT (44-19)-D	5/31/2000	74	<0.7	<5	174	68
FSW 575-M02-04BUT (44-19)	5/31/2000	110	<0.7	<5	225	85
FSW 575-M02-05BKT (44-19)	5/31/2000	64	<0.7	<5	336	112
FSW 575-M02-06WT (44-19)	5/31/2000	21	2.7	<5	595	132
FSW 575-M02-07O (44-19)	5/31/2000	<5	2.9	<5	714	130
FSW 575-M02-08GY (44-19)	5/31/2000	42	15.2	<5	781	121
FSW 575-M02-09Y (44-19)	5/31/2000	145	35.8	<5	908	122
FSW 575-M02-10P (44-19)	5/31/2000	184	44.3	<5	910	109
FSW 575-M02-10P (44-19)-D	5/31/2000	184	43.6	<5	915	111
FSW 575-M02-11GN (44-19)	5/31/2000	212	33.5	<5	965	125
FSW 575-M02-12R (44-19)	5/31/2000	<5	3.3	<5	737	132
FSW 575-M02-13BU (44-19)	5/31/2000	<5	<0.7	12	646	87
FSW 575-M02-14BK (44-19)	5/31/2000	--	--	<5	--	--
FSW 575-M02-15W (44-19)	5/31/2000	<5	<0.7	<5	503	105
FSW 575-M01-01PT	7/11/2002	<5	<0.7	46	608	119
FSW 575-M01-02GNT	7/11/2002	<5	<0.7	43	649	154
FSW 575-M01-03RT	7/11/2002	<5	<0.7	38	629	145
FSW 575-M01-04BUT	7/11/2002	<5	<0.7	80	491	132
FSW 575-M01-05BKT	7/11/2002	<5	<0.7	111	475	167
FSW 575-M01-06WT	7/11/2002	<5	<0.7	95	625	163
FSW 575-M01-06WT-D	7/11/2002	<5	<0.7	95	583	155
FSW 575-M01-07O	7/11/2002	<5	<0.7	44	815	144

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Well or multilevel-sampler port	Date	Nitrate, dissolved (µM)	Nitrite, dissolved (µM)	Ammonium, dissolved (µM)	Chloride, dissolved (µM)	Sulfate, dissolved (µM)
FSW 575-M01-08GY	7/11/2002	<5	<0.7	<5	596	122
FSW 575-M01-09Y	7/11/2002	36	<0.7	<5	277	106
FSW 575-M01-10P	7/11/2002	37	<0.7	5	289	85
FSW 575-M01-11GN	7/11/2002	32	<0.7	18	209	148
FSW 575-M01-12R	7/11/2002	34	<0.7	5	193	152
FSW 575-M01-13BU	7/11/2002	35	<0.7	<5	169	143
FSW 575-M01-14BK	7/11/2002	32	<0.7	<5	185	136
FSW 575-M01-15W	7/11/2002	27	<0.7	<5	202	133
FSW 575-M02-01PT (44-19)	7/11/2002	8	<0.7	<5	74	44
FSW 575-M02-02GNT (44-19)	7/11/2002	20	<0.7	<5	178	67
FSW 575-M02-03RT (44-19)	7/11/2002	96	<0.7	<5	215	68
FSW 575-M02-04BUT (44-19)	7/11/2002	124	<0.7	<5	261	109
FSW 575-M02-05BKT (44-19)	7/11/2002	81	1.7	<5	360	136
FSW 575-M02-06WT (44-19)	7/11/2002	29	4.6	<5	413	133
FSW 575-M02-07O (44-19)	7/11/2002	30	5.2	<5	387	125
FSW 575-M02-08GY (44-19)	7/11/2002	7	2.3	<5	364	102
FSW 575-M02-09Y (44-19)	7/11/2002	<5	<0.7	<5	309	104
FSW 575-M02-09Y (44-19)-D	7/11/2002	<5	<0.7	<5	308	103
FSW 575-M02-10P (44-19)	7/11/2002	<5	<0.7	<5	297	112
FSW 575-M02-11GN (44-19)	7/11/2002	<5	1.4	<5	330	112
FSW 575-M02-12R (44-19)	7/11/2002	<5	8.1	<5	381	116
FSW 575-M02-13BU (44-19)	7/11/2002	<5	<0.7	11	320	133
FSW 575-M02-14BK (44-19)	7/11/2002	<5	<0.7	44	241	158
FSW 575-M02-15W (44-19)	7/11/2002	<5	<0.7	49	312	166
FSW 575-M01-01PT	8/30/2004	<5	<0.7	16	--	--
FSW 575-M01-01PT-D	8/30/2004	<5	<0.7	13	442	143
FSW 575-M01-02GNT	8/30/2004	<5	<0.7	20	640	102
FSW 575-M01-03RT	8/30/2004	<5	<0.7	35	716	129
FSW 575-M01-04BUT	8/30/2004	<5	<0.7	21	664	151
FSW 575-M01-05BKT	8/30/2004	<5	<0.7	30	693	141
FSW 575-M01-06WT	8/30/2004	<5	<0.7	20	775	91
FSW 575-M01-07O	8/30/2004	<5	<0.7	6	639	74
FSW 575-M01-08GY	8/30/2004	43	<0.7	<5	435	88
FSW 575-M01-08GY-D	8/30/2004	43	<0.7	<5	436	88
FSW 575-M01-09Y	8/30/2004	40	<0.7	<5	312	83

Table 7. Concentrations of anions and ammonium for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Source of data: Richard L. Smith and Deborah A. Repert, U.S. Geological Survey, National Research Program, Boulder, CO. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; µM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Nitrate, dissolved (µM)	Nitrite, dissolved (µM)	Ammonium, dissolved (µM)	Chloride, dissolved (µM)	Sulfate, dissolved (µM)
FSW 575-M01-10P	8/30/2004	31	<0.7	<5	166	110
FSW 575-M01-11GN	8/30/2004	26	<0.7	<5	164	124
FSW 575-M01-12R	8/30/2004	26	<0.7	<5	170	124
FSW 575-M01-13BU	8/30/2004	28	<0.7	<5	162	144
FSW 575-M01-14BK	8/30/2004	34	<0.7	<5	162	133
FSW 575-M01-15W	8/30/2004	31	<0.7	<5	166	127
FSW 575-M02-01PT (44-19)	8/30/2004	11	<0.7	<5	113	35
FSW 575-M02-02GNT (44-19)	8/30/2004	12	<0.7	<5	144	60
FSW 575-M02-02GNT (44-19)-D	8/30/2004	12	<0.7	<5	147	61
FSW 575-M02-03RT (44-19)	8/30/2004	31	<0.7	<5	209	63
FSW 575-M02-04BUT (44-19)	8/30/2004	108	<0.7	<5	179	78
FSW 575-M02-05BKT (44-19)	8/30/2004	198	<0.7	<5	136	104
FSW 575-M02-06WT (44-19)	8/30/2004	134	5.5	<5	167	131
FSW 575-M02-07O (44-19)	8/30/2004	87	9.4	<5	200	130
FSW 575-M02-08GY (44-19)	8/30/2004	22	7.3	<5	251	124
FSW 575-M02-09Y (44-19)	8/30/2004	11	2.7	<5	262	112
FSW 575-M02-10P (44-19)	8/30/2004	<5	<0.7	<5	271	106
FSW 575-M02-11GN (44-19)	8/30/2004	<5	<0.7	<5	358	94
FSW 575-M02-12R (44-19)	8/30/2004	<5	<0.7	<5	347	93
FSW 575-M02-13BU (44-19)	8/30/2004	<5	<0.7	<5	254	140
FSW 575-M02-14BK (44-19)	8/30/2004	<5	<0.7	<5	288	157
FSW 575-M02-15W (44-19)	8/30/2004	<5	<0.7	<5	390	150
FSW 577-0051	9/13/1995	--	--	--	--	--
FSW 577-0061	9/13/1995	1384	<0.7	40	1482	286
FSW 577-0071	9/13/1995	697	<0.7	379	979	224
FSW 577-0081	9/13/1995	957	5.7	<5	1327	294
FSW 577-0097	9/13/1995	763	11.2	<5	1139	219
FSW 577-0111	9/13/1995	503	1.6	<5	896	60
FSW 577-0126	9/13/1995	10	<0.7	<5	531	113
FSW 577-0142	9/13/1995	41	<0.7	<5	159	158
FSW 577-0051	12/6/1995	1325	<0.7	<5	1358	240
FSW 577-0061	12/6/1995	913	<0.7	<5	1255	286
FSW 577-0071	12/6/1995	1149	<0.7	287	1431	306
FSW 577-0081	12/7/1995	1114	2.6	80	1597	304

Table 7. Concentrations of anions and ammonium for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Source of data: Richard L. Smith and Deborah A. Repert, U.S. Geological Survey, National Research Program, Boulder, CO. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; µM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Nitrate, dissolved (µM)	Nitrite, dissolved (µM)	Ammonium, dissolved (µM)	Chloride, dissolved (µM)	Sulfate, dissolved (µM)
FSW 577-0097	12/7/1995	135	2.0	373	1726	304
FSW 577-0111	12/7/1995	1240	4.0	<5	1612	276
FSW 577-0126	12/7/1995	<5	<0.7	<5	749	117
FSW 577-0142	12/7/1995	41	<0.7	13	164	173
FSW 577-0142-D	12/7/1995	41	<0.7	15	165	174
FSW 577-0051	6/21/1996	365	<0.7	19	322	64
FSW 577-0061	6/21/1996	1643	6.7	29	1770	301
FSW 577-0071	6/21/1996	926	10.3	46	1634	286
FSW 577-0081	6/21/1996	547	<0.7	137	1582	282
FSW 577-0097	6/21/1996	378	<0.7	336	1605	300
FSW 577-0097-D	6/21/1996	363	<0.7	330	1553	297
FSW 577-0111	6/21/1996	215	1.6	23	498	79
FSW 577-0126	6/21/1996	33	<0.7	36	280	145
FSW 577-0142	6/21/1996	45	<0.7	8	145	94
FSW 577-0051	11/19/1996	520	0.8	<5	344	141
FSW 577-0061	11/19/1996	379	<0.7	<5	1039	197
FSW 577-0071	11/19/1996	246	10.8	60	1266	199
FSW 577-0081	11/19/1996	773	<0.7	<5	1562	281
FSW 577-0097	11/19/1996	25	--	68	731	101
FSW 577-0097-D	11/19/1996	25	--	69	731	101
FSW 577-0111	11/19/1996	37	<0.7	12	263	142
FSW 577-0126	11/19/1996	38	<0.7	8	165	147
FSW 577-0142	11/19/1996	46	--	9	160	219
FSW 577-0051	2/28/1997	--	--	<5	--	--
FSW 577-0061	2/28/1997	271	1.1	<5	647	157
FSW 577-0071	2/28/1997	<5	<0.7	277	1468	120
FSW 577-0081	2/28/1997	<5	<0.7	<5	485	75
FSW 577-0081-D	2/28/1997	<5	<0.7	<5	488	76
FSW 577-0097	2/28/1997	<5	<0.7	38	930	148
FSW 577-0111	2/28/1997	42	<0.7	14	215	117
FSW 577-0126	2/28/1997	34	<0.7	7	148	119
FSW 577-0142	2/28/1997	40	<0.7	9	146	194
FSW 577-0051	5/29/1997	573	<0.7	9	102	133

Table 7. Concentrations of anions and ammonium for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Source of data: Richard L. Smith and Deborah A. Repert, U.S. Geological Survey, National Research Program, Boulder, CO. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; µM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Nitrate, dissolved (µM)	Nitrite, dissolved (µM)	Ammonium, dissolved (µM)	Chloride, dissolved (µM)	Sulfate, dissolved (µM)
FSW 577-0061	5/29/1997	2171	5.3	13	395	221
FSW 577-0071	5/29/1997	<5	<0.7	185	886	83
FSW 577-0081	5/29/1997	<5	<0.7	15	437	88
FSW 577-0097	5/29/1997	<5	<0.7	65	948	174
FSW 577-0111	5/29/1997	45	<0.7	6	313	123
FSW 577-0126	5/29/1997	33	<0.7	<5	161	107
FSW 577-0126-D	5/29/1997	32	<0.7	<5	159	106
FSW 577-0142	5/29/1997	36	<0.7	<5	161	158
FSW 577-0051	8/25/1997	326	<0.7	<5	116	110
FSW 577-0061	8/25/1997	37	11.8	<5	617	119
FSW 577-0071	8/25/1997	<5	<0.7	115	673	73
FSW 577-0071-D	8/25/1997	<5	<0.7	120	683	73
FSW 577-0081	8/25/1997	<5	<0.7	189	439	116
FSW 577-0097	8/25/1997	<5	<0.7	44	828	150
FSW 577-0111	8/25/1997	42	<0.7	<5	308	125
FSW 577-0126	8/25/1997	32	<0.7	6	174	105
FSW 577-0142	8/25/1997	34	<0.7	<5	173	146
FSW 577-0051	11/13/1997	339	<0.7	20	207	111
FSW 577-0061	11/13/1997	35	13.6	19	476	142
FSW 577-0071	11/13/1997	<5	<0.7	116	590	61
FSW 577-0071-D	11/13/1997	<5	<0.7	99	569	61
FSW 577-0081	11/13/1997	<5	<0.7	185	508	122
FSW 577-0097	11/13/1997	<5	<0.7	53	721	153
FSW 577-0111	11/13/1997	42	<0.7	21	390	87
FSW 577-0126	11/13/1997	32	<0.7	16	166	114
FSW 577-0142	11/13/1997	31	<0.7	15	181	137
FSW 577-0051	6/18/1998	306	<0.7	30	114	86
FSW 577-0061	6/18/1998	110	20.8	16	709	207
FSW 577-0071	6/18/1998	<5	<0.7	43	484	83
FSW 577-0071-D	6/18/1998	<5	<0.7	52	475	83
FSW 577-0081	6/18/1998	<5	<0.7	46	595	80
FSW 577-0097	6/18/1998	<5	<0.7	33	576	125
FSW 577-0111	6/18/1998	<5	<0.7	17	787	129
FSW 577-0126	6/18/1998	38	<0.7	20	167	102

Table 7. Concentrations of anions and ammonium for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Source of data: Richard L. Smith and Deborah A. Repert, U.S. Geological Survey, National Research Program, Boulder, CO. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; µM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Nitrate, dissolved (µM)	Nitrite, dissolved (µM)	Ammonium, dissolved (µM)	Chloride, dissolved (µM)	Sulfate, dissolved (µM)
FSW 577-0142	6/18/1998	28	<0.7	19	170	128
FSW 577-0051	11/17/1998	181	<0.7	13	157	95
FSW 577-0061	11/17/1998	122	11.8	7	578	159
FSW 577-0061-D	11/17/1998	124	12.0	11	573	159
FSW 577-0071	11/17/1998	<5	<0.7	30	484	94
FSW 577-0081	11/17/1998	<5	<0.7	22	569	62
FSW 577-0097	11/17/1998	<5	<0.7	23	1167	64
FSW 577-0111	11/17/1998	7	<0.7	13	357	170
FSW 577-0126	11/17/1998	48	<0.7	12	154	94
FSW 577-0142	11/17/1998	32	<0.7	7	150	122
FSW 577-0051	6/30/1999	384	<0.7	7	122	92
FSW 577-0061	6/30/1999	<5	<0.7	10	414	123
FSW 577-0071	6/30/1999	<5	<0.7	7	469	87
FSW 577-0081	6/30/1999	<5	<0.7	12	580	81
FSW 577-0081-D	6/30/1999	<5	<0.7	13	591	81
FSW 577-0097	6/30/1999	<5	<0.7	7	1034	127
FSW 577-0111	6/30/1999	19	<0.7	<5	408	124
FSW 577-0126	6/30/1999	39	<0.7	<5	151	94
FSW 577-0142	6/30/1999	29	<0.7	<5	165	129
FSW 577-0051	6/23/2000	269	0.8	<5	129	85
FSW 577-0061	6/23/2000	112	9.3	<5	469	140
FSW 577-0061-D	6/23/2000	115	9.0	<5	474	142
FSW 577-0071	6/23/2000	<5	1.2	<5	433	115
FSW 577-0081	6/23/2000	<5	0.7	20	445	120
FSW 577-0097	6/23/2000	<5	0.8	6	840	204
FSW 577-0111	6/23/2000	22	0.7	<5	418	67
FSW 577-0126	6/22/2000	27	0.8	<5	159	95
FSW 577-0142	6/22/2000	24	0.8	<5	165	118
FSW 577-0051	8/15/2002	179	<0.7	<5	126	88
FSW 577-0061	8/15/2002	<5	<0.7	<5	359	107
FSW 577-0071	8/15/2002	<5	<0.7	<5	323	120
FSW 577-0081	8/15/2002	<5	<0.7	<5	690	130
FSW 577-0097	8/15/2002	<5	<0.7	<5	667	167

Table 7. Concentrations of anions and ammonium for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Nitrate, dissolved (µM)	Nitrite, dissolved (µM)	Ammonium, dissolved (µM)	Chloride, dissolved (µM)	Sulfate, dissolved (µM)
FSW 577-0111	8/15/2002	37	<0.7	<5	312	108
FSW 577-0126	8/15/2002	24	<0.7	<5	193	167
FSW 577-0142	8/15/2002	29	<0.7	<5	165	136
FSW 577-0051	8/2/2004	128	<0.7	<5	81	59
FSW 577-0051-D	8/2/2004	132	<0.7	<5	84	60
FSW 577-0061	8/2/2004	40	6.1	<5	194	137
FSW 577-0071	8/2/2004	<5	<0.7	<5	356	99
FSW 577-0081	8/2/2004	<5	<0.7	<5	308	139
FSW 577-0097	8/2/2004	<5	<0.7	<5	1001	109
FSW 577-0111	8/2/2004	47	<0.7	<5	1362	71
FSW 577-0126	8/2/2004	35	<0.7	<5	1054	44
FSW 577-0142	8/2/2004	22	<0.7	<5	174	85
FSW 586-0058	6/15/1996	144	<0.7	15	275	70
FSW 586-0068	6/15/1996	1186	<0.7	112	1543	297
FSW 586-0078	6/15/1996	652	4.6	75	1595	276
FSW 586-0088	6/15/1996	241	21.3	22	1554	343
FSW 586-0098	6/15/1996	343	24.1	19	1623	334
FSW 586-0113	6/15/1996	789	15.5	17	1405	276
FSW 586-0128	6/15/1996	106	<0.7	14	652	97
FSW 586-0128-D	6/15/1996	109	<0.7	12	615	131
FSW 586-0143	6/15/1996	41	<0.7	<5	158	132
FSW 586-0058	11/22/1996	757	1.9	<5	569	140
FSW 586-0068	11/22/1996	1065	2.8	<5	1589	275
FSW 586-0078	11/22/1996	816	<0.7	90	1432	263
FSW 586-0088	11/22/1996	593	9.5	<5	1417	276
FSW 586-0098	11/22/1996	585	8.1	<5	1352	254
FSW 586-0113	11/22/1996	74	7.4	28	637	83
FSW 586-0113-D	11/22/1996	73	7.0	<5	642	84
FSW 586-0128	11/22/1996	44	<0.7	<5	177	98
FSW 586-0143	11/22/1996	49	<0.7	<5	191	189
FSW 586-0058	3/6/1997	576	<0.7	<5	288	111
FSW 586-0068	3/6/1997	269	8.1	<5	901	180
FSW 586-0078	3/6/1997	172	1.3	<5	1238	151

Table 7. Concentrations of anions and ammonium for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Nitrate, dissolved (µM)	Nitrite, dissolved (µM)	Ammonium, dissolved (µM)	Chloride, dissolved (µM)	Sulfate, dissolved (µM)
FSW 586-0088	3/6/1997	618	<0.7	59	1326	242
FSW 586-0098	3/6/1997	<5	<0.7	146	764	143
FSW 586-0098-D	3/6/1997	<5	<0.7	134	758	143
FSW 586-0113	3/6/1997	54	3.6	<5	488	174
FSW 586-0128	3/6/1997	38	<0.7	6	143	100
FSW 586-0143	3/6/1997	42	<0.7	<5	201	220
FSW 586-0058	6/10/1997	965	<0.7	5	127	137
FSW 586-0068	6/10/1997	602	9.9	<5	646	162
FSW 586-0078	6/10/1997	<5	<0.7	21	1234	95
FSW 586-0088	6/10/1997	149	<0.7	88	834	159
FSW 586-0098	6/10/1997	<5	<0.7	161	900	148
FSW 586-0113	6/10/1997	41	0.7	9	395	208
FSW 586-0128	6/10/1997	41	<0.7	<5	153	127
FSW 586-0143	6/10/1997	40	<0.7	<5	149	204
FSW 586-0143-D	6/10/1997	40	<0.7	<5	157	203
FSW 586-0058	8/26/1997	441	<0.7	<5	105	113
FSW 586-0068	8/26/1997	1770	10.9	<5	471	131
FSW 586-0078	8/26/1997	<5	<0.7	<5	1206	104
FSW 586-0088	8/26/1997	10	<0.7	<5	557	110
FSW 586-0088-D	8/26/1997	10	<0.7	34	548	111
FSW 586-0098	8/26/1997	<5	<0.7	37	865	147
FSW 586-0113	8/26/1997	19	1.9	<5	446	190
FSW 586-0128	8/26/1997	39	<0.7	<5	164	94
FSW 586-0143	8/26/1997	38	<0.7	<5	167	193
FSW 586-0058	11/6/1997	633	<0.7	15	227	107
FSW 586-0068	11/6/1997	74	4.0	10	620	140
FSW 586-0078	11/6/1997	<5	<0.7	97	930	79
FSW 586-0078-D	11/6/1997	<5	<0.7	106	935	78
FSW 586-0088	11/6/1997	<5	<0.7	28	443	128
FSW 586-0098	11/6/1997	<5	<0.7	115	745	189
FSW 586-0113	11/6/1997	40	1.3	20	245	150
FSW 586-0128	11/6/1997	35	<0.7	17	158	95
FSW 586-0143	11/6/1997	35	<0.7	41	157	168

Table 7. Concentrations of anions and ammonium for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Source of data: Richard L. Smith and Deborah A. Repert, U.S. Geological Survey, National Research Program, Boulder, CO. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; µM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Nitrate, dissolved (µM)	Nitrite, dissolved (µM)	Ammonium, dissolved (µM)	Chloride, dissolved (µM)	Sulfate, dissolved (µM)
FSW 586-0058	7/9/1998	563	0.8	28	194	100
FSW 586-0068	7/9/1998	<5	1.7	16	357	150
FSW 586-0078	7/9/1998	5	<0.7	48	470	90
FSW 586-0088	7/9/1998	<5	<0.7	62	482	182
FSW 586-0088-D	7/9/1998	<5	<0.7	61	487	182
FSW 586-0098	7/9/1998	<5	<0.7	190	704	153
FSW 586-0113	7/9/1998	48	<0.7	14	271	106
FSW 586-0128	7/9/1998	45	<0.7	6	234	85
FSW 586-0143	7/9/1998	31	<0.7	19	163	138
FSW 586-0058	11/19/1998	249	<0.7	12	137	104
FSW 586-0068	11/19/1998	18	7.1	14	618	189
FSW 586-0078	11/19/1998	<5	<0.7	14	708	72
FSW 586-0078-D	11/19/1998	<5	<0.7	27	711	73
FSW 586-0088	11/19/1998	<5	<0.7	109	570	126
FSW 586-0098	11/19/1998	<5	<0.7	126	709	152
FSW 586-0113	11/19/1998	<5	<0.7	17	825	123
FSW 586-0128	11/19/1998	51	<0.7	11	323	85
FSW 586-0143	11/19/1998	30	<0.7	13	177	127
FSW 586-0058	7/12/1999	244	<0.7	<5	281	129
FSW 586-0068	7/12/1999	5	11.5	<5	509	139
FSW 586-0078	7/12/1999	<5	<0.7	5	568	146
FSW 586-0088	7/12/1999	<5	<0.7	45	535	125
FSW 586-0098	7/12/1999	<5	<0.7	39	555	154
FSW 586-0113	7/12/1999	7	1.3	<5	635	164
FSW 586-0128	7/12/1999	39	<0.7	<5	210	112
FSW 586-0143	7/12/1999	30	<0.7	<5	167	141
FSW 586-0058	6/21/2000	186	0.9	<5	213	112
FSW 586-0068	6/21/2000	<5	<0.7	<5	585	49
FSW 586-0078	6/21/2000	<5	<0.7	<5	740	72
FSW 586-0078-D	6/21/2000	<5	<0.7	<5	737	75
FSW 586-0088	6/21/2000	<5	<0.7	6	711	136
FSW 586-0098	6/21/2000	<5	<0.7	<5	974	79
FSW 586-0113	6/21/2000	47	<0.7	<5	307	176
FSW 586-0128	6/21/2000	41	<0.7	<5	168	91

Table 7. Concentrations of anions and ammonium for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Source of data: Richard L. Smith and Deborah A. Repert, U.S. Geological Survey, National Research Program, Boulder, CO. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; µM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Nitrate, dissolved (µM)	Nitrite, dissolved (µM)	Ammonium, dissolved (µM)	Chloride, dissolved (µM)	Sulfate, dissolved (µM)
FSW 586-0143	6/21/2000	38	<0.7	<5	169	126
FSW 586-0058	7/31/2002	131	<0.7	<5	280	130
FSW 586-0058-D	7/31/2002	131	<0.7	<5	278	131
FSW 586-0068	7/31/2002	46	11.1	<5	457	107
FSW 586-0078	7/31/2002	<5	<0.7	<5	347	140
FSW 586-0088	7/31/2002	<5	<0.7	<5	853	191
FSW 586-0098	7/31/2002	<5	<0.7	<5	1195	123
FSW 586-0113	7/31/2002	20	<0.7	<5	224	109
FSW 586-0128	7/31/2002	30	<0.7	<5	192	140
FSW 586-0143	7/31/2002	30	<0.7	<5	175	133
FSW 586-0058	8/2/2004	229	<0.7	<5	111	87
FSW 586-0068	8/2/2004	14	20.9	<5	311	98
FSW 586-0078	8/2/2004	<5	<0.7	<5	235	115
FSW 586-0088	8/2/2004	<5	<0.7	<5	430	134
FSW 586-0098	8/2/2004	<5	<0.7	<5	569	77
FSW 586-0113	8/2/2004	73	10.0	<5	1021	69
FSW 586-0128	8/2/2004	36	<0.7	<5	628	57
FSW 586-0143	8/2/2004	27	<0.7	<5	172	118
FSW 586-0143-D	8/2/2004	27	<0.7	<5	174	119
SDW 436-M01-01PT	7/12/2002	--	--	--	--	--
SDW 436-M01-02GNT	7/12/2002	199	<0.7	2	236	147
SDW 436-M01-03RT	7/12/2002	78	<0.7	2	332	194
SDW 436-M01-04BUT	7/12/2002	70	<0.7	2	346	189
SDW 436-M01-05BKT	7/12/2002	36	<0.7	3	302	123
SDW 436-M01-06WT	7/12/2002	36	<0.7	<5	304	103
SDW 436-M01-07O	7/12/2002	63	0.9	2	232	123
SDW 436-M01-07-O-D	7/12/2002	64	0.9	2	231	122
SDW 436-M01-08GY	7/12/2002	59	<0.7	48	479	112
SDW 436-M01-09Y	7/12/2002	50	<0.7	43	781	93
SDW 436-M01-10P	7/12/2002	38	<0.7	20	797	106
SDW 436-M01-11GN	7/12/2002	52	<0.7	<5	649	84
SDW 436-M01-12R	7/12/2002	42	<0.7	3	441	66
SDW 436-M01-13BU	7/12/2002	21	<0.7	5	257	69
SDW 436-M01-14BK	7/12/2002	23	<0.7	4	196	122

Table 7. Concentrations of anions and ammonium for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Source of data: Richard L. Smith and Deborah A. Repert, U.S. Geological Survey, National Research Program, Boulder, CO. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; µM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Nitrate, dissolved (µM)	Nitrite, dissolved (µM)	Ammonium, dissolved (µM)	Chloride, dissolved (µM)	Sulfate, dissolved (µM)
SDW 436-M01-15W	7/12/2002	23	<0.7	3	194	179
SDW 436-M01-01PT	5/27/2003	103	<0.7	<5	96	120
SDW 436-M01-02GNT	5/27/2003	393	<0.7	<5	118	110
SDW 436-M01-02GNT-D	5/27/2003	392	<0.7	<5	119	110
SDW 436-M01-03RT	5/27/2003	83	<0.7	<5	408	157
SDW 436-M01-04BUT	5/27/2003	178	<0.7	<5	223	195
SDW 436-M01-05BKT	5/27/2003	138	<0.7	<5	360	169
SDW 436-M01-06WT	5/27/2003	22	<0.7	<5	354	122
SDW 436-M01-07O	5/27/2003	27	<0.7	<5	268	158
SDW 436-M01-08GY	5/27/2003	39	<0.7	34	466	152
SDW 436-M01-09Y	5/27/2003	30	<0.7	14	542	154
SDW 436-M01-10P	5/27/2003	48	<0.7	17	1176	70
SDW 436-M01-11GN	5/27/2003	54	<0.7	<5	1084	84
SDW 436-M01-12R	5/27/2003	46	<0.7	<5	739	98
SDW 436-M01-13BU	5/27/2003	27	<0.7	<5	425	78
SDW 436-M01-13BU-D	5/27/2003	26	<0.7	<5	424	77
SDW 436-M01-14BK	5/27/2003	29	<0.7	<5	195	119
SDW 436-M01-15W	5/27/2003	22	<0.7	<5	192	108
SDW 436-M01-01PT	8/26/2004	154	<0.7	<5	112	85
SDW 436-M01-02GNT	8/26/2004	82	<0.7	<5	269	107
SDW 436-M01-02GNT-D	8/26/2004	--	--	--	--	--
SDW 436-M01-03RT	8/26/2004	133	<0.7	<5	168	132
SDW 436-M01-04BUT	8/26/2004	115	<0.7	<5	171	112
SDW 436-M01-04BUT-D	8/26/2004	--	--	--	--	--
SDW 436-M01-05BKT	8/26/2004	34	<0.7	<5	400	55
SDW 436-M01-06WT	8/26/2004	27	<0.7	<5	1145	48
SDW 436-M01-06WT-D	8/26/2004	27	<0.7	<5	1160	48
SDW 436-M01-07O	8/26/2004	29	<0.7	<5	657	85
SDW 436-M01-08GY	8/26/2004	21	<0.7	<5	542	133
SDW 436-M01-09Y	8/26/2004	25	<0.7	<5	553	179
SDW 436-M01-10P	8/26/2004	46	<0.7	<5	1277	174
SDW 436-M01-11GN	8/26/2004	55	<0.7	<5	2396	111
SDW 436-M01-12R	8/26/2004	43	<0.7	<5	1454	99
SDW 436-M01-13BU	8/26/2004	43	<0.7	<5	1182	48
SDW 436-M01-14BK	8/26/2004	39	<0.7	<5	1071	46

Table 7. Concentrations of anions and ammonium for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Source of data: Richard L. Smith and Deborah A. Repert, U.S. Geological Survey, National Research Program, Boulder, CO. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; µM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Nitrate, dissolved (µM)	Nitrite, dissolved (µM)	Ammonium, dissolved (µM)	Chloride, dissolved (µM)	Sulfate, dissolved (µM)
SDW 436-M01-15W	8/26/2004	34	<0.7	<5	208	114
SDW 469-M01-01PT	9/27/1995	--	--	--	--	--
SDW 469-M01-02GNT	9/27/1995	1067	<0.7	20	1288	245
SDW 469-M01-03RT	9/27/1995	1016	<0.7	28	1184	232
SDW 469-M01-04BUT	9/27/1995	1026	<0.7	24	1327	297
SDW 469-M01-05BKT	9/27/1995	374	<0.7	19	732	142
SDW 469-M01-06WT	9/27/1995	546	<0.7	12	501	128
SDW 469-M01-07O	9/27/1995	1215	1.3	16	1193	124
SDW 469-M01-08GY	9/27/1995	1298	<0.7	165	1220	212
SDW 469-M01-09Y	9/27/1995	<5	4.6	155	843	152
SDW 469-M01-10P	9/27/1995	<5	<0.7	168	786	140
SDW 469-M01-11GN	9/27/1995	706	<0.7	72	937	192
SDW 469-M01-12R	9/27/1995	907	1.0	20	665	186
SDW 469-M01-13BU	9/27/1995	447	<0.7	8	611	101
SDW 469-M01-14BK	9/27/1995	74	<0.7	35	363	64
SDW 469-M01-15W	9/27/1995	<5	<0.7	<5	244	54
SDW 469-M01-01PT	11/28/1995	--	--	--	--	--
SDW 469-M01-02GNT	11/28/1995	942	<0.7	13	1009	216
SDW 469-M01-03RT	11/28/1995	1572	<0.7	22	2010	264
SDW 469-M01-04BUT	11/28/1995	823	<0.7	10	784	240
SDW 469-M01-05BKT	11/28/1995	1143	0.8	17	1129	189
SDW 469-M01-06WT	11/28/1995	1086	<0.7	16	1433	209
SDW 469-M01-07O	11/28/1995	914	1.4	24	1611	296
SDW 469-M01-08GY	11/28/1995	538	<0.7	29	1563	306
SDW 469-M01-09Y	11/28/1995	400	<0.7	85	1446	258
SDW 469-M01-10P	11/28/1995	352	5.6	93	1593	302
SDW 469-M01-11GN	11/28/1995	348	<0.7	64	1415	253
SDW 469-M01-11GN-D	11/28/1995	736	<0.7	69	1563	299
SDW 469-M01-12R	11/28/1995	844	<0.7	11	1536	292
SDW 469-M01-13BU	11/28/1995	1125	<0.7	13	957	270
SDW 469-M01-14BK	11/28/1995	37	<0.7	33	571	120
SDW 469-M01-15W	11/28/1995	11	<0.7	<5	574	105
SDW 469-M01-01PT	1/25/1996	--	--	--	--	--
SDW 469-M01-02GNT	1/25/1996	1464	<0.7	38	1815	280

Table 7. Concentrations of anions and ammonium for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Nitrate, dissolved (µM)	Nitrite, dissolved (µM)	Ammonium, dissolved (µM)	Chloride, dissolved (µM)	Sulfate, dissolved (µM)
SDW 469-M01-02GNT-D	1/25/1996	1287	<0.7	44	1590	217
SDW 469-M01-03RT	1/25/1996	1168	<0.7	36	950	213
SDW 469-M01-04BUT	1/25/1996	1390	<0.7	16	1149	259
SDW 469-M01-05BKT	1/25/1996	1294	<0.7	49	1276	239
SDW 469-M01-06WT	1/25/1996	1138	<0.7	154	1529	244
SDW 469-M01-07O	1/25/1996	826	<0.7	113	1464	243
SDW 469-M01-08GY	1/25/1996	525	<0.7	22	1535	292
SDW 469-M01-09Y	1/25/1996	402	<0.7	33	1477	261
SDW 469-M01-10P	1/25/1996	310	<0.7	34	1422	250
SDW 469-M01-11GN	1/25/1996	355	<0.7	72	1486	273
SDW 469-M01-11GN-D	1/25/1996	279	<0.7	66	1146	225
SDW 469-M01-12R	1/25/1996	727	<0.7	85	1313	222
SDW 469-M01-13BU	1/25/1996	966	<0.7	11	930	131
SDW 469-M01-14BK	1/25/1996	10	<0.7	30	359	80
SDW 469-M01-15W	1/25/1996	21	<0.7	22	644	137
SDW 469-M01-01PT	3/21/1996	--	--	--	--	--
SDW 469-M01-02GNT	3/21/1996	512	<0.7	29	489	95
SDW 469-M01-03RT	3/21/1996	434	<0.7	28	485	75
SDW 469-M01-03RT-D	3/21/1996	342	<0.7	31	380	59
SDW 469-M01-04BUT	3/21/1996	304	<0.7	38	551	101
SDW 469-M01-05BKT	3/21/1996	765	3.3	65	938	159
SDW 469-M01-06WT	3/21/1996	792	<0.7	185	1436	221
SDW 469-M01-07O	3/21/1996	851	<0.7	485	1742	280
SDW 469-M01-08GY	3/21/1996	862	<0.7	139	1505	362
SDW 469-M01-09Y	3/21/1996	804	<0.7	49	1464	236
SDW 469-M01-10P	3/21/1996	850	<0.7	70	1221	191
SDW 469-M01-11GN	3/21/1996	485	<0.7	62	810	118
SDW 469-M01-12R	3/21/1996	415	<0.7	68	631	96
SDW 469-M01-12R-D	3/21/1996	316	<0.7	62	483	64
SDW 469-M01-13BU	3/21/1996	111	<0.7	27	457	88
SDW 469-M01-14BK	3/21/1996	42	<0.7	83	367	77
SDW 469-M01-15W	3/21/1996	32	<0.7	22	163	83
SDW 469-M01-01PT	5/15/1996	569	<0.7	32	318	70
SDW 469-M01-02GNT	5/15/1996	849	<0.7	28	777	140
SDW 469-M01-03RT	5/15/1996	575	<0.7	26	718	115

Table 7. Concentrations of anions and ammonium for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Nitrate, dissolved (µM)	Nitrite, dissolved (µM)	Ammonium, dissolved (µM)	Chloride, dissolved (µM)	Sulfate, dissolved (µM)
SDW 469-M01-04BUT	5/15/1996	1480	<0.7	28	1360	281
SDW 469-M01-05BKT	5/15/1996	1642	4.2	33	1730	280
SDW 469-M01-05BKT-D	5/15/1996	1645	3.5	28	1712	292
SDW 469-M01-06WT	5/15/1996	765	<0.7	128	1699	269
SDW 469-M01-07O	5/15/1996	765	<0.7	540	1631	278
SDW 469-M01-08GY	5/15/1996	1083	<0.7	142	1637	279
SDW 469-M01-09Y	5/15/1996	236	1.0	33	651	86
SDW 469-M01-10P	5/15/1996	262	<0.7	25	690	126
SDW 469-M01-11GN	5/15/1996	282	<0.7	31	683	101
SDW 469-M01-12R	5/15/1996	54	<0.7	18	385	46
SDW 469-M01-13BU	5/15/1996	<5	<0.7	21	393	84
SDW 469-M01-14BK	5/15/1996	130	4.6	51	171	73
SDW 469-M01-14BK-D	5/15/1996	120	4.6	48	161	64
SDW 469-M01-15W	5/15/1996	36	<0.7	7	154	90
SDW 469-M01-01PT	7/25/1996	1142	<0.7	11	702	169
SDW 469-M01-02GNT	7/25/1996	424	<0.7	7	436	169
SDW 469-M01-03RT	7/25/1996	603	0.8	8	650	156
SDW 469-M01-04BUT	7/25/1996	585	1.5	9	1022	176
SDW 469-M01-05BKT	7/25/1996	706	8.6	16	1066	184
SDW 469-M01-05BKT-D	7/25/1996	709	8.7	12	1041	184
SDW 469-M01-06WT	7/25/1996	602	0.8	52	1008	177
SDW 469-M01-07O	7/25/1996	392	<0.7	426	1069	113
SDW 469-M01-08GY	7/25/1996	161	1.3	11	970	158
SDW 469-M01-09Y	7/25/1996	<5	0.9	5	545	87
SDW 469-M01-10P	7/25/1996	<5	<0.7	56	759	77
SDW 469-M01-11GN	7/25/1996	<5	<0.7	<5	611	79
SDW 469-M01-12R	7/25/1996	<5	<0.7	19	632	109
SDW 469-M01-13BU	7/25/1996	37	0.9	6	508	118
SDW 469-M01-14BK	7/25/1996	40	0.7	5	228	99
SDW 469-M01-14BK-D	7/25/1996	40	0.8	6	228	99
SDW 469-M01-15W	7/25/1996	34	0.8	<5	168	126
SDW 469-M01-01PT	11/6/1996	--	--	<5	--	--
SDW 469-M01-01PT-D	11/6/1996	--	--	<5	--	--
SDW 469-M01-02GNT	11/6/1996	--	--	<5	--	--
SDW 469-M01-03RT	11/6/1996	--	--	<5	--	--

Table 7. Concentrations of anions and ammonium for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Nitrate, dissolved (µM)	Nitrite, dissolved (µM)	Ammonium, dissolved (µM)	Chloride, dissolved (µM)	Sulfate, dissolved (µM)
SDW 469-M01-04BUT	11/6/1996	--	--	<5	--	--
SDW 469-M01-05BKT	11/6/1996	--	--	<5	--	--
SDW 469-M01-06WT	11/6/1996	--	--	<5	--	--
SDW 469-M01-07O	11/6/1996	--	--	81	--	--
SDW 469-M01-08GY	11/6/1996	--	--	<5	--	--
SDW 469-M01-09Y	11/6/1996	--	--	<5	--	--
SDW 469-M01-10P	11/6/1996	--	--	40	--	--
SDW 469-M01-10P-D	11/6/1996	--	--	40	--	--
SDW 469-M01-11GN	11/6/1996	--	--	<5	--	--
SDW 469-M01-12R	11/6/1996	--	--	<5	--	--
SDW 469-M01-13BU	11/6/1996	--	--	39	--	--
SDW 469-M01-14BK	11/6/1996	--	--	<5	--	--
SDW 469-M01-15W	11/6/1996	--	--	<5	--	--
SDW 469-M01-01PT	2/3/1997	758	<0.7	9	117	176
SDW 469-M01-02GNT	2/3/1997	451	<0.7	<5	122	119
SDW 469-M01-03RT	2/3/1997	583	<0.7	7	338	135
SDW 469-M01-04BUT	2/3/1997	125	<0.7	10	544	145
SDW 469-M01-05BKT	2/3/1997	369	4.4	8	764	192
SDW 469-M01-05BKT-D	2/3/1997	368	4.4	9	767	180
SDW 469-M01-06WT	2/3/1997	322	7.4	10	739	161
SDW 469-M01-07O	2/3/1997	238	<0.7	17	801	268
SDW 469-M01-08GY	2/3/1997	81	<0.7	<5	615	166
SDW 469-M01-09Y	2/3/1997	<5	<0.7	5	507	89
SDW 469-M01-10P	2/3/1997	<5	<0.7	18	440	78
SDW 469-M01-11GN	2/3/1997	<5	<0.7	<5	817	80
SDW 469-M01-12R	2/3/1997	<5	<0.7	5	805	129
SDW 469-M01-13BU	2/3/1997	68	<0.7	88	315	122
SDW 469-M01-14BK	2/3/1997	41	<0.7	<5	267	88
SDW 469-M01-14BK-D	2/3/1997	41	<0.7	<5	267	88
SDW 469-M01-15W	2/3/1997	32	<0.7	<5	186	165
SDW 469-M01-01PT	5/12/1997	382	<0.7	9	116	96
SDW 469-M01-02GNT	5/12/1997	394	<0.7	7	223	130
SDW 469-M01-03RT	5/12/1997	295	<0.7	5	302	134
SDW 469-M01-04BUT	5/12/1997	113	1.0	<5	411	138
SDW 469-M01-05BKT	5/12/1997	112	3.7	<5	443	113

Table 7. Concentrations of anions and ammonium for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Nitrate, dissolved (µM)	Nitrite, dissolved (µM)	Ammonium, dissolved (µM)	Chloride, dissolved (µM)	Sulfate, dissolved (µM)
SDW 469-M01-06WT	5/12/1997	111	5.4	<5	479	99
SDW 469-M01-07O	5/12/1997	24	1.5	<5	541	92
SDW 469-M01-08GY	5/12/1997	<5	0.8	<5	451	75
SDW 469-M01-09Y	5/12/1997	<5	0.8	<5	487	63
SDW 469-M01-09Y-D	5/12/1997	<5	0.7	<5	491	67
SDW 469-M01-10P	5/12/1997	<5	<0.7	8	652	95
SDW 469-M01-11GN	5/12/1997	<5	<0.7	<5	784	134
SDW 469-M01-12R	5/12/1997	<5	<0.7	21	911	123
SDW 469-M01-13BU	5/12/1997	70	<0.7	94	326	121
SDW 469-M01-14BK	5/12/1997	45	<0.7	5	253	91
SDW 469-M01-15W	5/12/1997	36	<0.7	<5	179	192
SDW 469-M01-01PT	8/5/1997	201	<0.7	7	377	80
SDW 469-M01-01PT-D	8/5/1997	200	<0.7	<5	382	69
SDW 469-M01-02GNT	8/5/1997	432	<0.7	<5	2706	66
SDW 469-M01-03RT	8/5/1997	233	<0.7	<5	1067	138
SDW 469-M01-04BUT	8/5/1997	137	0.8	<5	213	132
SDW 469-M01-05BKT	8/5/1997	68	3.9	11	348	89
SDW 469-M01-06WT	8/5/1997	48	7.0	13	387	85
SDW 469-M01-07O	8/5/1997	<5	<0.7	<5	504	86
SDW 469-M01-08GY	8/5/1997	<5	<0.7	<5	605	65
SDW 469-M01-09Y	8/5/1997	<5	<0.7	<5	584	65
SDW 469-M01-10P	8/5/1997	<5	<0.7	10	763	73
SDW 469-M01-10P-D	8/5/1997	<5	<0.7	11	780	74
SDW 469-M01-11GN	8/5/1997	<5	<0.7	<5	564	109
SDW 469-M01-12R	8/5/1997	<5	<0.7	<5	563	134
SDW 469-M01-13BU	8/5/1997	32	<0.7	146	687	137
SDW 469-M01-14BK	8/5/1997	45	<0.7	<5	156	99
SDW 469-M01-15W	8/5/1997	34	0.8	<5	170	213
SDW 469-M01-01PT	10/27/1997	447	<0.7	<5	112	96
SDW 469-M01-01PT-D	10/27/1997	448	<0.7	<5	113	95
SDW 469-M01-02GNT	10/27/1997	284	<0.7	<5	182	117
SDW 469-M01-03RT	10/27/1997	110	<0.7	<5	251	112
SDW 469-M01-04BUT	10/27/1997	103	<0.7	<5	273	128
SDW 469-M01-05BKT	10/27/1997	67	3.8	<5	446	92
SDW 469-M01-06WT	10/27/1997	41	4.3	<5	599	60

Table 7. Concentrations of anions and ammonium for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Source of data: Richard L. Smith and Deborah A. Repert, U.S. Geological Survey, National Research Program, Boulder, CO. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; µM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Nitrate, dissolved (µM)	Nitrite, dissolved (µM)	Ammonium, dissolved (µM)	Chloride, dissolved (µM)	Sulfate, dissolved (µM)
SDW 469-M01-07O	10/27/1997	<5	<0.7	<5	404	64
SDW 469-M01-08GY	10/27/1997	<5	<0.7	<5	571	51
SDW 469-M01-09Y	10/27/1997	<5	<0.7	<5	604	68
SDW 469-M01-10P	10/27/1997	<5	<0.7	<5	702	83
SDW 469-M01-10P-D	10/27/1997	<5	<0.7	<5	704	83
SDW 469-M01-11GN	10/27/1997	<5	<0.7	127	656	138
SDW 469-M01-12R	10/27/1997	<5	<0.7	83	656	161
SDW 469-M01-13BU	10/27/1997	67	<0.7	80	524	125
SDW 469-M01-14BK	10/27/1997	43	<0.7	<5	147	91
SDW 469-M01-15W	10/27/1997	32	<0.7	<5	174	203
SDW 469-M01-01PT	5/7/1998	264	<0.7	11	115	75
SDW 469-M01-02GNT	5/7/1998	463	<0.7	6	157	120
SDW 469-M01-03RT	5/7/1998	540	<0.7	<5	505	156
SDW 469-M01-04BUT	5/7/1998	110	1.1	9	556	110
SDW 469-M01-05BKT	5/7/1998	29	3.1	<5	543	117
SDW 469-M01-06WT	5/7/1998	14	3.3	<5	586	116
SDW 469-M01-07O	5/7/1998	<5	<0.7	<5	651	99
SDW 469-M01-08GY	5/7/1998	<5	<0.7	<5	548	52
SDW 469-M01-08GY-D	5/7/1998	<5	<0.7	<5	536	51
SDW 469-M01-09Y	5/7/1998	<5	<0.7	27	665	64
SDW 469-M01-10P	5/7/1998	<5	<0.7	127	662	110
SDW 469-M01-11GN	5/7/1998	6	<0.7	58	663	136
SDW 469-M01-12R	5/7/1998	<5	<0.7	41	482	112
SDW 469-M01-13BU	5/7/1998	46	<0.7	35	228	127
SDW 469-M01-14BK	5/7/1998	53	<0.7	7	150	89
SDW 469-M01-15W	5/7/1998	32	<0.7	<5	195	194
SDW 469-M01-01PT	10/29/1998	262	<0.7	6	145	89
SDW 469-M01-02GNT	10/29/1998	240	<0.7	<5	274	134
SDW 469-M01-03RT	10/29/1998	103	<0.7	<5	321	100
SDW 469-M01-04BUT	10/29/1998	397	<0.7	<5	274	129
SDW 469-M01-05BKT	10/29/1998	607	5.2	<5	480	93
SDW 469-M01-06WT	10/29/1998	155	3.9	<5	828	71
SDW 469-M01-07O	10/29/1998	<5	<0.7	<5	765	89
SDW 469-M01-08GY	10/29/1998	<5	<0.7	<5	666	64
SDW 469-M01-08GY-D	10/29/1998	<5	<0.7	<5	667	64

Table 7. Concentrations of anions and ammonium for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Source of data: Richard L. Smith and Deborah A. Repert, U.S. Geological Survey, National Research Program, Boulder, CO. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; µM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Nitrate, dissolved (µM)	Nitrite, dissolved (µM)	Ammonium, dissolved (µM)	Chloride, dissolved (µM)	Sulfate, dissolved (µM)
SDW 469-M01-09Y	10/29/1998	<5	<0.7	143	536	117
SDW 469-M01-10P	10/29/1998	<5	<0.7	120	600	116
SDW 469-M01-11GN	10/29/1998	<5	<0.7	49	891	103
SDW 469-M01-12R	10/29/1998	<5	<0.7	35	969	150
SDW 469-M01-13BU	10/29/1998	<5	<0.7	22	257	114
SDW 469-M01-14BK	10/29/1998	68	<0.7	<5	157	98
SDW 469-M01-15W	10/29/1998	36	<0.7	<5	188	171
SDW 469-M01-01PT	7/1/1999	374	<0.7	10	92	125
SDW 469-M01-02GNT	7/1/1999	341	<0.7	7	106	116
SDW 469-M01-03RT	7/1/1999	165	<0.7	9	267	133
SDW 469-M01-04BUT	7/1/1999	125	<0.7	8	430	152
SDW 469-M01-05BKT	7/1/1999	69	5.6	11	400	134
SDW 469-M01-05BKT-D	7/1/1999	69	5.7	10	408	134
SDW 469-M01-06WT	7/1/1999	48	1.1	<5	409	119
SDW 469-M01-07O	7/1/1999	<5	<0.7	<5	448	123
SDW 469-M01-08GY	7/1/1999	<5	<0.7	8	423	77
SDW 469-M01-09Y	7/1/1999	<5	<0.7	151	712	55
SDW 469-M01-10P	7/1/1999	7	<0.7	102	917	69
SDW 469-M01-11GN	7/1/1999	7	<0.7	36	807	99
SDW 469-M01-12R	7/1/1999	5	<0.7	32	976	111
SDW 469-M01-13BU	7/1/1999	6	<0.7	9	625	69
SDW 469-M01-14BK	7/1/1999	54	<0.7	<5	338	75
SDW 469-M01-15W	7/1/1999	33	<0.7	5	208	164
SDW 469-M01-01PT	5/24/2000	126	<0.7	5	164	76
SDW 469-M01-01PT-D	5/24/2000	134	<0.7	5	171	78
SDW 469-M01-02GNT	5/24/2000	233	<0.7	<5	105	99
SDW 469-M01-03RT	5/24/2000	264	<0.7	<5	200	144
SDW 469-M01-04BUT	5/24/2000	73	<0.7	<5	290	115
SDW 469-M01-05BKT	5/24/2000	59	3.9	<5	420	127
SDW 469-M01-06WT	5/24/2000	21	<0.7	<5	385	124
SDW 469-M01-07O	5/24/2000	<5	<0.7	<5	592	90
SDW 469-M01-08GY	5/24/2000	<5	<0.7	<5	760	86
SDW 469-M01-08GY-D	5/24/2000	<5	<0.7	<5	673	79
SDW 469-M01-09Y	5/24/2000	<5	<0.7	173	787	120
SDW 469-M01-10P	5/24/2000	<5	<0.7	99	573	166

Table 7. Concentrations of anions and ammonium for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Nitrate, dissolved (µM)	Nitrite, dissolved (µM)	Ammonium, dissolved (µM)	Chloride, dissolved (µM)	Sulfate, dissolved (µM)
SDW 469-M01-11GN	5/24/2000	<5	<0.7	41	1018	165
SDW 469-M01-12R	5/24/2000	<5	<0.7	33	859	177
SDW 469-M01-13BU	5/24/2000	<5	<0.7	<5	809	108
SDW 469-M01-14BK	5/24/2000	30	<0.7	<5	206	108
SDW 469-M01-15W	5/24/2000	22	<0.7	<5	169	143
SDW 469-M01-01PT	8/29/2001	163	<0.7	<5	109	83
SDW 469-M01-02GNT	8/29/2001	164	<0.7	<5	180	130
SDW 469-M01-03RT	8/29/2001	229	<0.7	<5	263	176
SDW 469-M01-04BUT	8/29/2001	162	<0.7	<5	109	83
SDW 469-M01-05BKT	8/29/2001	71	2.7	<5	316	132
SDW 469-M01-06WT	8/29/2001	113	<0.7	<5	255	127
SDW 469-M01-07O	8/29/2001	99	<0.7	<5	237	157
SDW 469-M01-07O D	8/29/2001	99	<0.7	<5	236	155
SDW 469-M01-08GY	8/29/2001	191	<0.7	<5	267	96
SDW 469-M01-09Y	8/29/2001	45	--	106	560	54
SDW 469-M01-10P	8/29/2001	<5	<0.7	134	1538	43
SDW 469-M01-11GN	8/29/2001	<5	<0.7	46	1361	71
SDW 469-M01-12R	8/29/2001	43	2.1	<5	1159	112
SDW 469-M01-13BU	8/29/2001	43	<0.7	<5	565	51
SDW 469-M01-14BK	8/29/2001	45	<0.7	<5	1023	54
SDW 469-M01-15W	8/29/2001	25	<0.7	<5	212	164
SDW 469-M01-01PT	6/20/2002	--	--	--	--	--
SDW 469-M01-02GNT	6/20/2002	317	<0.7	<5	73	118
SDW 469-M01-03RT	6/20/2002	223	<0.7	<5	157	123
SDW 469-M01-04BUT	6/20/2002	98	<0.7	<5	274	191
SDW 469-M01-05BKT	6/20/2002	56	5.5	<5	343	209
SDW 469-M01-06WT	6/20/2002	49	<0.7	<5	400	244
SDW 469-M01-07O	6/20/2002	5	<0.7	<5	428	140
SDW 469-M01-08GY	6/20/2002	6	<0.7	<5	471	112
SDW 469-M01-09Y	6/20/2002	5	<0.7	86	790	125
SDW 469-M01-10P	6/20/2002	6	<0.7	78	664	137
SDW 469-M01-11GN	6/20/2002	<5	<0.7	31	735	101
SDW 469-M01-11GN-D	6/20/2002	<5	<0.7	49	756	101
SDW 469-M01-12R	6/20/2002	38	<0.7	<5	377	90
SDW 469-M01-13BU	6/20/2002	30	<0.7	<5	200	224
SDW 469-M01-14BK	6/20/2002	26	<0.7	<5	168	140

Table 7. Concentrations of anions and ammonium for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Nitrate, dissolved (µM)	Nitrite, dissolved (µM)	Ammonium, dissolved (µM)	Chloride, dissolved (µM)	Sulfate, dissolved (µM)
SDW 469-M01-15W	6/20/2002	5	<0.7	<5	212	167
SDW 469-M01-01PT	6/3/2003	154	<0.7	<5	80	63
SDW 469-M01-02GNT	6/3/2003	189	<0.7	<5	77	100
SDW 469-M01-03RT	6/3/2003	192	<0.7	<5	118	98
SDW 469-M01-04BUT	6/3/2003	185	<0.7	<5	221	139
SDW 469-M01-05BKT	6/3/2003	52	1.3	<5	489	90
SDW 469-M01-05BKT-D	6/3/2003	51	1.4	<5	488	91
SDW 469-M01-06WT	6/3/2003	12	<0.7	<5	645	82
SDW 469-M01-07O	6/3/2003	7	<0.7	<5	441	101
SDW 469-M01-07O-D	6/3/2003	7	<0.7	<5	443	101
SDW 469-M01-08GY	6/3/2003	7	<0.7	<5	666	95
SDW 469-M01-09Y	6/3/2003	<5	<0.7	13	875	94
SDW 469-M01-10P	6/3/2003	<5	<0.7	28	1019	78
SDW 469-M01-11GN	6/3/2003	8	<0.7	<5	1001	104
SDW 469-M01-12R	6/3/2003	51	<0.7	<5	873	60
SDW 469-M01-13BU	6/3/2003	45	<0.7	<5	612	47
SDW 469-M01-14BK	6/3/2003	26	<0.7	<5	184	118
SDW 469-M01-15W	6/3/2003	26	<0.7	<5	217	128
SDW 469-M01-01PT	7/30/2004	151	<0.7	<5	111	68
SDW 469-M01-02GNT	7/30/2004	210	<0.7	<5	104	94
SDW 469-M01-03RT	7/30/2004	161	<0.7	<5	176	116
SDW 469-M01-04BUT	7/30/2004	108	<0.7	<5	142	158
SDW 469-M01-05BKT	7/30/2004	36	<0.7	<5	164	90
SDW 469-M01-06WT	7/30/2004	27	<0.7	<5	212	92
SDW 469-M01-07O	7/30/2004	<5	<0.7	<5	515	104
SDW 469-M01-07O-D	7/30/2004	<5	<0.7	<5	506	102
SDW 469-M01-08GY	7/30/2004	<5	<0.7	<5	710	96
SDW 469-M01-09Y	7/30/2004	<5	<0.7	7	820	140
SDW 469-M01-10P	7/30/2004	<5	<0.7	6	1780	129
SDW 469-M01-11GN	7/30/2004	44	<0.7	<5	2023	141
SDW 469-M01-12R	7/30/2004	49	<0.7	<5	1778	59
SDW 469-M01-13BU	7/30/2004	45	<0.7	<5	1664	38
SDW 469-M01-14BK	7/30/2004	38	<0.7	<5	1405	43
SDW 469-M01-15W	7/30/2004	29	<0.7	<5	463	83

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Well or multilevel-sampler port	Date	Nitrate, dissolved (µM)	Nitrite, dissolved (µM)	Ammonium, dissolved (µM)	Chloride, dissolved (µM)	Sulfate, dissolved (µM)
SDW 473-M01-01PT	9/28/1995	--	--	--	--	--
SDW 473-M01-02GNT	9/28/1995	367	<0.7	13	367	145
SDW 473-M01-03RT	9/28/1995	227	<0.7	13	462	142
SDW 473-M01-04BUT	9/28/1995	386	<0.7	13	748	156
SDW 473-M01-05BKT	9/28/1995	438	1.4	10	798	157
SDW 473-M01-06WT	9/28/1995	435	<0.7	58	719	21
SDW 473-M01-07O	9/28/1995	<5	<0.7	234	217	39
SDW 473-M01-08GY	9/28/1995	<5	<0.7	209	134	40
SDW 473-M01-09Y	9/28/1995	<5	<0.7	108	448	105
SDW 473-M01-10P	9/28/1995	<5	<0.7	66	482	121
SDW 473-M01-11GN	9/28/1995	<5	<0.7	37	556	163
SDW 473-M01-12R	9/28/1995	<5	<0.7	22	231	84
SDW 473-M01-13BU	9/28/1995	11	<0.7	7	117	72
SDW 473-M01-14BK	9/28/1995	23	<0.7	21	104	87
SDW 473-M01-15W	9/28/1995	9	<0.7	33	61	75
SDW 473-M01-01PT	11/30/1995	--	--	--	--	--
SDW 473-M01-02GNT	11/30/1995	294	<0.7	<5	538	130
SDW 473-M01-03RT	11/30/1995	836	<0.7	<5	953	199
SDW 473-M01-04BUT	11/30/1995	511	<0.7	<5	782	135
SDW 473-M01-05BKT	11/30/1995	554	<0.7	9	867	261
SDW 473-M01-06WT	11/30/1995	1003	<0.7	13	1121	265
SDW 473-M01-07O	11/30/1995	795	<0.7	387	1052	28
SDW 473-M01-08GY	11/30/1995	<5	<0.7	185	484	87
SDW 473-M01-09Y	11/30/1995	15	1.2	84	569	111
SDW 473-M01-10P	11/30/1995	<5	<0.7	37	667	158
SDW 473-M01-10P-D	11/30/1995	<5	<0.7	48	668	158
SDW 473-M01-11GN	11/30/1995	<5	<0.7	22	635	190
SDW 473-M01-12R	11/30/1995	<5	<0.7	<5	599	118
SDW 473-M01-12R-D	11/30/1995	<5	<0.7	<5	598	117
SDW 473-M01-13BU	11/30/1995	22	<0.7	<5	248	105
SDW 473-M01-14BK	11/30/1995	30	<0.7	<5	144	109
SDW 473-M01-15W	11/30/1995	31	<0.7	<5	186	201
SDW 473-M01-01PT	1/24/1996	--	--	--	--	--
SDW 473-M01-02GNT	1/24/1996	410	<0.7	34	1086	235
SDW 473-M01-03RT	1/24/1996	531	<0.7	49	1207	239

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Well or multilevel-sampler port	Date	Nitrate, dissolved (µM)	Nitrite, dissolved (µM)	Ammonium, dissolved (µM)	Chloride, dissolved (µM)	Sulfate, dissolved (µM)
SDW 473-M01-04BUT	1/24/1996	477	<0.7	53	1143	272
SDW 473-M01-05BKT	1/24/1996	456	<0.7	42	1101	253
SDW 473-M01-05BKT-D	1/24/1996	458	<0.7	50	1108	253
SDW 473-M01-06WT	1/24/1996	441	<0.7	42	798	89
SDW 473-M01-07O	1/24/1996	89	<0.7	243	334	67
SDW 473-M01-08GY	1/24/1996	<5	<0.7	193	460	102
SDW 473-M01-09Y	1/24/1996	<5	<0.7	120	763	115
SDW 473-M01-10P	1/24/1996	<5	<0.7	47	791	142
SDW 473-M01-11GN	1/24/1996	<5	<0.7	44	640	197
SDW 473-M01-12R	1/24/1996	23	<0.7	17	616	91
SDW 473-M01-13BU	1/24/1996	28	<0.7	28	232	94
SDW 473-M01-14BK	1/24/1996	51	<0.7	11	187	120
SDW 473-M01-14BK-D	1/24/1996	55	<0.7	24	188	126
SDW 473-M01-15W	1/24/1996	76	<0.7	34	255	204
SDW 473-M01-01PT	3/20/1996	12	<0.7	8	329	75
SDW 473-M01-02GNT	3/20/1996	240	<0.7	<5	536	137
SDW 473-M01-03RT	3/20/1996	812	0.8	14	1159	180
SDW 473-M01-04BUT	3/20/1996	907	<0.7	16	1250	236
SDW 473-M01-05BKT	3/20/1996	927	0.7	13	1296	184
SDW 473-M01-06WT	3/20/1996	246	<0.7	37	845	137
SDW 473-M01-06WT-D	3/20/1996	243	<0.7	44	854	137
SDW 473-M01-07O	3/20/1996	15	<0.7	224	512	50
SDW 473-M01-08GY	3/20/1996	<5	<0.7	191	452	70
SDW 473-M01-09Y	3/20/1996	<5	<0.7	83	772	97
SDW 473-M01-10P	3/20/1996	<5	<0.7	73	818	125
SDW 473-M01-11GN	3/20/1996	<5	<0.7	47	639	147
SDW 473-M01-12R	3/20/1996	33	<0.7	22	530	82
SDW 473-M01-13BU	3/20/1996	31	<0.7	21	200	90
SDW 473-M01-14BK	3/20/1996	34	<0.7	50	162	117
SDW 473-M01-15W	3/20/1996	50	<0.7	35	218	204
SDW 473-M01-15W-D	3/20/1996	52	<0.7	32	227	203
SDW 473-M01-01PT	5/16/1996	40	<0.7	34	419	119
SDW 473-M01-02GNT	5/16/1996	188	<0.7	26	377	184
SDW 473-M01-03RT	5/16/1996	513	<0.7	26	839	118
SDW 473-M01-04BUT	5/16/1996	254	<0.7	25	678	127

Table 7. Concentrations of anions and ammonium for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Source of data: Richard L. Smith and Deborah A. Repert, U.S. Geological Survey, National Research Program, Boulder, CO. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; µM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Nitrate, dissolved (µM)	Nitrite, dissolved (µM)	Ammonium, dissolved (µM)	Chloride, dissolved (µM)	Sulfate, dissolved (µM)
SDW 473-M01-05BKT	5/16/1996	160	<0.7	26	665	182
SDW 473-M01-06WT	5/16/1996	163	<0.7	30	710	130
SDW 473-M01-07O	5/16/1996	52	<0.7	173	497	32
SDW 473-M01-08GY	5/16/1996	<5	<0.7	125	679	61
SDW 473-M01-08GY-D	5/16/1996	<5	<0.7	122	660	56
SDW 473-M01-09Y	5/16/1996	<5	<0.7	16	772	82
SDW 473-M01-10P	5/16/1996	<5	<0.7	17	998	110
SDW 473-M01-11GN	5/16/1996	9	<0.7	39	600	170
SDW 473-M01-12R	5/16/1996	29	<0.7	19	589	94
SDW 473-M01-13BU	5/16/1996	31	<0.7	22	218	90
SDW 473-M01-14BK	5/16/1996	35	<0.7	21	181	112
SDW 473-M01-15W	5/16/1996	45	<0.7	28	213	214
SDW 473-M01-01PT	7/26/1996	27	<0.7	10	511	156
SDW 473-M01-02GNT	7/26/1996	115	0.8	21	229	127
SDW 473-M01-03RT	7/26/1996	223	<0.7	6	573	138
SDW 473-M01-04BUT	7/26/1996	118	<0.7	9	557	100
SDW 473-M01-05BKT	7/26/1996	117	<0.7	6	781	76
SDW 473-M01-06WT	7/26/1996	115	1.2	6	1082	46
SDW 473-M01-07O	7/26/1996	<5	<0.7	205	519	55
SDW 473-M01-08GY	7/26/1996	<5	<0.7	159	554	85
SDW 473-M01-08GY-D	7/26/1996	<5	<0.7	156	557	84
SDW 473-M01-09Y	7/26/1996	<5	0.8	77	633	117
SDW 473-M01-10P	7/26/1996	<5	<0.7	49	1122	107
SDW 473-M01-11GN	7/26/1996	<5	<0.7	29	833	141
SDW 473-M01-12R	7/26/1996	27	<0.7	8	565	113
SDW 473-M01-13BU	7/26/1996	31	0.8	34	219	93
SDW 473-M01-14BK	7/26/1996	32	0.8	10	183	110
SDW 473-M01-15W	7/26/1996	37	0.8	13	180	212
SDW 473-M01-01PT	11/5/1996	7	<0.7	--	236	112
SDW 473-M01-02GNT	11/5/1996	86	<0.7	--	357	135
SDW 473-M01-03RT	11/5/1996	137	<0.7	<5	371	122
SDW 473-M01-04BUT	11/5/1996	79	<0.7	<5	399	77
SDW 473-M01-04BUT-D	11/5/1996	80	<0.7	<5	398	77
SDW 473-M01-05BKT	11/5/1996	88	<0.7	<5	412	75
SDW 473-M01-06WT	11/5/1996	<5	<0.7	<5	523	77

Table 7. Concentrations of anions and ammonium for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Nitrate, dissolved (µM)	Nitrite, dissolved (µM)	Ammonium, dissolved (µM)	Chloride, dissolved (µM)	Sulfate, dissolved (µM)
SDW 473-M01-07O	11/5/1996	<5	<0.7	182	692	68
SDW 473-M01-08GY	11/5/1996	<5	<0.7	177	423	117
SDW 473-M01-09Y	11/7/1996	<5	<0.7	54	525	139
SDW 473-M01-10P	11/7/1996	<5	<0.7	42	1024	115
SDW 473-M01-11GN	11/7/1996	37	<0.7	29	811	127
SDW 473-M01-12R	11/7/1996	29	<0.7	<5	212	162
SDW 473-M01-13BU	11/7/1996	36	<0.7	<5	157	92
SDW 473-M01-13BU-D	11/7/1996	35	<0.7	<5	160	92
SDW 473-M01-14BK	11/7/1996	30	<0.7	<5	193	141
SDW 473-M01-15W	11/7/1996	33	<0.7	<5	175	214
SDW 473-M01-01PT	2/18/1997	132	<0.7	<5	261	143
SDW 473-M01-02GNT	2/18/1997	147	<0.7	5	194	101
SDW 473-M01-03RT	2/18/1997	77	<0.7	5	413	101
SDW 473-M01-04BUT	2/18/1997	69	<0.7	5	504	63
SDW 473-M01-05BKT	2/18/1997	47	<0.7	5	523	48
SDW 473-M01-06WT	2/18/1997	<5	<0.7	9	649	45
SDW 473-M01-07O	2/18/1997	<5	<0.7	255	724	61
SDW 473-M01-08GY	2/18/1997	<5	<0.7	168	708	95
SDW 473-M01-08GY-D	2/18/1997	<5	<0.7	190	721	95
SDW 473-M01-09Y	2/18/1997	<5	<0.7	50	687	114
SDW 473-M01-10P	2/18/1997	<5	<0.7	40	559	163
SDW 473-M01-11GN	2/18/1997	<5	<0.7	25	568	133
SDW 473-M01-12R	2/18/1997	32	<0.7	<5	169	116
SDW 473-M01-13BU	2/18/1997	38	<0.7	<5	147	90
SDW 473-M01-14BK	2/18/1997	30	<0.7	6	171	137
SDW 473-M01-15W	2/18/1997	33	<0.7	<5	156	208
SDW 473-M01-01PT	5/14/1997	117	<0.7	<5	145	159
SDW 473-M01-02GNT	5/14/1997	83	<0.7	7	355	129
SDW 473-M01-03RT	5/14/1997	81	<0.7	5	644	78
SDW 473-M01-03RT-D	5/14/1997	81	<0.7	8	--	78
SDW 473-M01-04BUT	5/14/1997	59	<0.7	<5	823	50
SDW 473-M01-05BKT	5/14/1997	46	<0.7	<5	804	31
SDW 473-M01-06WT	5/14/1997	<5	<0.7	5	652	41
SDW 473-M01-07O	5/14/1997	<5	<0.7	219	865	79
SDW 473-M01-08GY	5/14/1997	<5	<0.7	153	901	96

Table 7. Concentrations of anions and ammonium for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Source of data: Richard L. Smith and Deborah A. Repert, U.S. Geological Survey, National Research Program, Boulder, CO. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; µM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Nitrate, dissolved (µM)	Nitrite, dissolved (µM)	Ammonium, dissolved (µM)	Chloride, dissolved (µM)	Sulfate, dissolved (µM)
SDW 473-M01-09Y	5/14/1997	<5	<0.7	55	721	152
SDW 473-M01-10P	5/14/1997	<5	<0.7	29	388	130
SDW 473-M01-11GN	5/14/1997	8	<0.7	19	325	124
SDW 473-M01-12R	5/14/1997	27	<0.7	<5	162	102
SDW 473-M01-12R-D	5/14/1997	28	<0.7	<5	--	103
SDW 473-M01-13BU	5/14/1997	44	<0.7	<5	146	88
SDW 473-M01-14BK	5/14/1997	30	<0.7	5	176	133
SDW 473-M01-15W	5/14/1997	33	<0.7	<5	158	198
SDW 473-M01-01PT	8/14/1997	99	<0.7	<5	122	132
SDW 473-M01-02GNT	8/14/1997	162	<0.7	7	290	174
SDW 473-M01-03RT	8/14/1997	57	<0.7	15	569	115
SDW 473-M01-04BUT	8/14/1997	37	<0.7	<5	693	88
SDW 473-M01-04BUT-D	8/14/1997	38	<0.7	<5	698	96
SDW 473-M01-05BKT	8/14/1997	66	<0.7	<5	635	73
SDW 473-M01-06WT	8/14/1997	16	<0.7	8	540	59
SDW 473-M01-07O	8/14/1997	<5	<0.7	229	688	73
SDW 473-M01-08GY	8/14/1997	<5	<0.7	197	780	142
SDW 473-M01-09Y	8/14/1997	<5	<0.7	94	948	221
SDW 473-M01-10P	8/14/1997	<5	<0.7	36	546	148
SDW 473-M01-11GN	8/14/1997	<5	<0.7	28	415	83
SDW 473-M01-12R	8/14/1997	35	<0.7	11	142	117
SDW 473-M01-13BU	8/14/1997	49	<0.7	9	144	83
SDW 473-M01-13BU-D	8/14/1997	49	<0.7	17	152	112
SDW 473-M01-14BK	8/14/1997	29	<0.7	10	170	137
SDW 473-M01-15W	8/14/1997	33	<0.7	<5	156	188
SDW 473-M01-01PT	11/3/1997	87	<0.7	23	136	147
SDW 473-M01-02GNT	11/3/1997	125	<0.7	<5	372	180
SDW 473-M01-03RT	11/3/1997	82	<0.7	27	529	143
SDW 473-M01-04BUT	11/3/1997	34	<0.7	15	537	95
SDW 473-M01-04BUT-D	11/3/1997	34	<0.7	21	522	97
SDW 473-M01-05BKT	11/3/1997	43	<0.7	30	615	67
SDW 473-M01-06WT	11/3/1997	18	<0.7	35	451	70
SDW 473-M01-07O	11/3/1997	<5	<0.7	231	743	114
SDW 473-M01-08GY	11/3/1997	<5	<0.7	218	758	76
SDW 473-M01-09Y	11/3/1997	<5	<0.7	116	661	143

Table 7. Concentrations of anions and ammonium for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Nitrate, dissolved (µM)	Nitrite, dissolved (µM)	Ammonium, dissolved (µM)	Chloride, dissolved (µM)	Sulfate, dissolved (µM)
SDW 473-M01-10P	11/3/1997	<5	<0.7	64	972	167
SDW 473-M01-11GN	11/3/1997	<5	<0.7	37	346	132
SDW 473-M01-12R	11/3/1997	32	<0.7	20	144	88
SDW 473-M01-13BU	11/3/1997	46	<0.7	36	152	91
SDW 473-M01-13BU-D	11/3/1997	46	<0.7	12	152	91
SDW 473-M01-14BK	11/3/1997	34	<0.7	22	178	139
SDW 473-M01-15W	11/3/1997	31	<0.7	26	179	210
SDW 473-M01-01PT	5/12/1998	393	<0.7	<5	153	113
SDW 473-M01-02GNT	5/12/1998	373	<0.7	<5	107	144
SDW 473-M01-02GNT-D	5/12/1998	373	<0.7	<5	105	147
SDW 473-M01-03RT	5/12/1998	675	<0.7	5	889	90
SDW 473-M01-04BUT	5/12/1998	232	<0.7	<5	961	73
SDW 473-M01-05BKT	5/12/1998	44	<0.7	<5	784	62
SDW 473-M01-06WT	5/12/1998	106	<0.7	12	563	59
SDW 473-M01-07O	5/12/1998	<5	<0.7	180	575	69
SDW 473-M01-08GY	5/12/1998	<5	<0.7	146	712	113
SDW 473-M01-09Y	5/12/1998	<5	<0.7	54	637	154
SDW 473-M01-10P	5/12/1998	<5	<0.7	23	921	154
SDW 473-M01-11GN	5/12/1998	<5	<0.7	10	646	90
SDW 473-M01-11GN-D	5/12/1998	<5	<0.7	15	653	89
SDW 473-M01-12R	5/12/1998	37	<0.7	<5	157	87
SDW 473-M01-13BU	5/12/1998	59	<0.7	<5	151	94
SDW 473-M01-14BK	5/12/1998	34	<0.7	8	189	151
SDW 473-M01-15W	5/12/1998	31	<0.7	<5	181	209
SDW 473-M01-01PT	10/30/1998	90	<0.7	<5	92	184
SDW 473-M01-02GNT	10/30/1998	345	<0.7	<5	469	174
SDW 473-M01-03RT	10/30/1998	544	<0.7	<5	776	118
SDW 473-M01-04BUT	10/30/1998	296	<0.7	<5	950	195
SDW 473-M01-05BKT	10/30/1998	311	<0.7	6	1028	273
SDW 473-M01-05BKT-D	10/30/1998	308	<0.7	6	1011	269
SDW 473-M01-06WT	10/30/1998	208	<0.7	30	445	180
SDW 473-M01-07O	10/30/1998	7	<0.7	128	681	78
SDW 473-M01-08GY	10/30/1998	<5	<0.7	97	903	69
SDW 473-M01-09Y	10/30/1998	<5	<0.7	41	766	82
SDW 473-M01-10P	10/30/1998	<5	<0.7	40	624	139

Table 7. Concentrations of anions and ammonium for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Nitrate, dissolved (µM)	Nitrite, dissolved (µM)	Ammonium, dissolved (µM)	Chloride, dissolved (µM)	Sulfate, dissolved (µM)
SDW 473-M01-11GN	10/30/1998	149	<0.7	13	500	47
SDW 473-M01-12R	10/30/1998	38	<0.7	<5	218	78
SDW 473-M01-13BU	10/30/1998	58	<0.7	<5	147	97
SDW 473-M01-14BK	10/30/1998	32	<0.7	<5	182	130
SDW 473-M01-14BK-D	10/30/1998	33	<0.7	<5	178	130
SDW 473-M01-15W	10/30/1998	32	<0.7	5	204	189
SDW 473-M01-01PT	6/28/1999	158	<0.7	<5	114	149
SDW 473-M01-02GNT	6/28/1999	119	<0.7	<5	210	185
SDW 473-M01-02GNT-D	6/28/1999	118	<0.7	<5	208	185
SDW 473-M01-03RT	6/28/1999	56	<0.7	<5	557	109
SDW 473-M01-04BUT	6/28/1999	106	<0.7	<5	600	103
SDW 473-M01-05BKT	6/28/1999	194	<0.7	<5	473	71
SDW 473-M01-06WT	6/28/1999	153	<0.7	59	437	70
SDW 473-M01-07O	6/28/1999	<5	<0.7	117	1000	88
SDW 473-M01-08GY	6/28/1999	<5	<0.7	67	467	146
SDW 473-M01-08GY-D	6/28/1999	<5	<0.7	67	470	148
SDW 473-M01-09Y	6/28/1999	<5	<0.7	35	333	157
SDW 473-M01-10P	6/28/1999	<5	<0.7	20	237	171
SDW 473-M01-11GN	6/28/1999	43	<0.7	<5	218	76
SDW 473-M01-12R	6/28/1999	28	<0.7	<5	322	64
SDW 473-M01-13BU	6/28/1999	29	<0.7	<5	171	103
SDW 473-M01-14BK	6/28/1999	31	<0.7	<5	214	158
SDW 473-M01-15W	6/28/1999	33	<0.7	<5	197	187
SDW 473-M01-01PT	6/13/2000	49	<0.7	<5	229	114
SDW 473-M01-02GNT	6/13/2000	88	<0.7	<5	559	159
SDW 473-M01-02GNT-D	6/13/2000	57	<0.7	<5	370	118
SDW 473-M01-03RT	6/13/2000	90	<0.7	<5	886	65
SDW 473-M01-04BUT	6/13/2000	127	<0.7	<5	884	53
SDW 473-M01-05BKT	6/13/2000	178	<0.7	<5	622	88
SDW 473-M01-06WT	6/13/2000	360	<0.7	9	660	31
SDW 473-M01-07O	6/13/2000	30	<0.7	76	1197	36
SDW 473-M01-08GY	6/13/2000	<5	<0.7	56	1268	59
SDW 473-M01-09Y	6/13/2000	<5	<0.7	26	654	72
SDW 473-M01-10P	6/13/2000	<5	<0.7	9	213	63
SDW 473-M01-11GN	6/13/2000	46	<0.7	<5	153	100

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Well or multilevel-sampler port	Date	Nitrate, dissolved (µM)	Nitrite, dissolved (µM)	Ammonium, dissolved (µM)	Chloride, dissolved (µM)	Sulfate, dissolved (µM)
SDW 473-M01-11GN-D	6/13/2000	46	<0.7	<5	155	101
SDW 473-M01-12R	6/13/2000	57	<0.7	<5	169	101
SDW 473-M01-13BU	6/13/2000	50	<0.7	<5	190	136
SDW 473-M01-14BK	6/13/2000	29	<0.7	<5	226	175
SDW 473-M01-15W	6/13/2000	30	<0.7	<5	192	187
SDW 473-M01-01PT	8/13/2001	6	<0.7	<5	743	145
SDW 473-M01-02GNT	8/13/2001	313	<0.7	<5	267	153
SDW 473-M01-03RT	8/13/2001	90	<0.7	<5	319	131
SDW 473-M01-03RT	8/13/2001	91	<0.7	<5	321	132
SDW 473-M01-04BUT	8/13/2001	60	<0.7	<5	459	68
SDW 473-M01-05BKT	8/13/2001	31	1.1	<5	431	114
SDW 473-M01-06WT	8/13/2001	41	<0.7	<5	476	92
SDW 473-M01-07O	8/13/2001	86	<0.7	55	648	91
SDW 473-M01-08GY	8/13/2001	97	<0.7	36	730	119
SDW 473-M01-09Y	8/13/2001	48	<0.7	<5	732	102
SDW 473-M01-10P	8/13/2001	24	<0.7	<5	412	85
SDW 473 M01-11GN	8/13/2001	24	<0.7	<5	309	100
SDW 473-M01-12R	8/13/2001	23	<0.7	<5	152	235
SDW 473-M01-13BU	8/13/2001	21	<0.7	<5	160	112
SDW 473-M01-14BK	8/13/2001	24	<0.7	<5	198	156
SDW 473 M01-15W	8/13/2001	26	<0.7	<5	216	183
SDW 473-M01-01PT	6/6/2002	--	--	--	--	--
SDW 473-M01-02GNT	6/6/2002	88	<0.7	20	267	172
SDW 473-M01-03RT	6/6/2002	37	<0.7	<5	287	79
SDW 473-M01-04BUT	6/6/2002	31	<0.7	<5	320	61
SDW 473-M01-05BKT	6/6/2002	44	<0.7	<5	424	68
SDW 473-M01-05BKT-D	6/6/2002	42	<0.7	<5	425	67
SDW 473-M01-06WT	6/6/2002	59	<0.7	15	370	112
SDW 473-M01-07O	6/6/2002	56	<0.7	17	722	96
SDW 473-M01-08GY	6/6/2002	51	<0.7	<5	864	85
SDW 473-M01-09Y	6/6/2002	49	<0.7	5	877	110
SDW 473-M01-10P	6/6/2002	53	<0.7	<5	863	78
SDW 473-M01-11GN	6/6/2002	58	<0.7	<5	747	43
SDW 473-M01-12R	6/6/2002	22	<0.7	<5	176	83
SDW 473-M01-13BU	6/6/2002	25	<0.7	<5	206	108

Table 7. Concentrations of anions and ammonium for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Source of data: Richard L. Smith and Deborah A. Repert, U.S. Geological Survey, National Research Program, Boulder, CO. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; µM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Nitrate, dissolved (µM)	Nitrite, dissolved (µM)	Ammonium, dissolved (µM)	Chloride, dissolved (µM)	Sulfate, dissolved (µM)
SDW 473-M01-14BK	6/6/2002	25	<0.7	<5	227	156
SDW 473-M01-15W	6/6/2002	23	<0.7	<5	195	164
SDW 473-M01-01PT	5/16/2003	14	<0.7	<5	343	119
SDW 473-M01-02GNT	5/16/2003	341	<0.7	<5	159	102
SDW 473-M01-03RT	5/16/2003	228	<0.7	<5	183	219
SDW 473-M01-03RT-D	5/16/2003	226	<0.7	<5	183	218
SDW 473-M01-04BUT	5/16/2003	27	<0.7	<5	267	101
SDW 473-M01-05BKT	5/16/2003	17	<0.7	<5	292	76
SDW 473-M01-06WT	5/16/2003	37	<0.7	<5	352	122
SDW 473-M01-07O	5/16/2003	56	<0.7	<5	598	143
SDW 473-M01-08GY	5/16/2003	62	<0.7	<5	654	137
SDW 473-M01-09Y	5/16/2003	45	<0.7	<5	1068	77
SDW 473-M01-10P	5/16/2003	48	<0.7	<5	1430	71
SDW 473-M01-11GN	5/16/2003	20	<0.7	<5	292	29
SDW 473-M01-12R	5/16/2003	29	<0.7	<5	290	84
SDW 473-M01-13BU	5/16/2003	44	<0.7	<5	302	85
SDW 473-M01-14BK	5/16/2003	39	<0.7	<5	193	121
SDW 473-M01-14BK-D	5/16/2003	39	<0.7	<5	193	121
SDW 473-M01-15W	5/16/2003	36	<0.7	<5	214	120
SDW 473-M01-01PT	8/18/2004	16	<0.7	<5	257	118
SDW 473-M01-02GNT	8/18/2004	101	<0.7	<5	152	112
SDW 473-M01-03RT	8/18/2004	44	<0.7	<5	191	87
SDW 473-M01-04BUT	8/18/2004	21	<0.7	<5	531	49
SDW 473-M01-05BKT	8/18/2004	13	<0.7	<5	449	96
SDW 473-M01-06WT	8/18/2004	14	<0.7	<5	264	109
SDW 473-M01-07O	8/18/2004	26	<0.7	<5	598	71
SDW 473-M01-08GY	8/18/2004	32	<0.7	<5	704	146
SDW 473-M01-08GY-D	8/18/2004	32	<0.7	<5	700	145
SDW 473-M01-09Y	8/18/2004	34	<0.7	<5	951	171
SDW 473-M01-10P	8/18/2004	61	<0.7	<5	2092	116
SDW 473-M01-11GN	8/18/2004	37	<0.7	<5	1556	113
SDW 473-M01-12R	8/18/2004	33	<0.7	<5	1154	80
SDW 473-M01-13BU	8/18/2004	36	<0.7	<5	1364	74
SDW 473-M01-14BK	8/18/2004	38	<0.7	<5	1326	53
SDW 473-M01-15W	8/18/2004	30	<0.7	<5	585	69

Table 7. Concentrations of anions and ammonium for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Source of data: Richard L. Smith and Deborah A. Repert, U.S. Geological Survey, National Research Program, Boulder, CO. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; µM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Nitrate, dissolved (µM)	Nitrite, dissolved (µM)	Ammonium, dissolved (µM)	Chloride, dissolved (µM)	Sulfate, dissolved (µM)
SDW 474-M01-01PT	9/22/1995	--	--	--	--	--
SDW 474-M01-02GNT	9/22/1995	46	<0.7	<5	253	125
SDW 474-M01-03RT	9/22/1995	27	<0.7	18	414	65
SDW 474-M01-04BUT	9/22/1995	25	<0.7	5	461	48
SDW 474-M01-05BKT	9/22/1995	120	<0.7	5	325	45
SDW 474-M01-06WT	9/22/1995	226	<0.7	5	540	74
SDW 474-M01-07O	9/22/1995	48	<0.7	17	378	46
SDW 474-M01-08GY	9/22/1995	26	<0.7	<5	531	103
SDW 474-M01-09Y	9/22/1995	10	<0.7	15	180	93
SDW 474-M01-10P	9/22/1995	15	<0.7	<5	239	80
SDW 474-M01-11GN	9/22/1995	16	<0.7	<5	148	84
SDW 474-M01-12R	9/22/1995	19	<0.7	<5	133	91
SDW 474-M01-13BU	9/22/1995	21	<0.7	19	100	76
SDW 474-M01-14BK	9/22/1995	16	<0.7	6	79	63
SDW 474-M01-15W	9/22/1995	24	<0.7	<5	185	165
SDW 474-M01-01PT	11/30/1995	--	--	--	--	--
SDW 474-M01-02GNT	11/30/1995	317	<0.7	<5	154	125
SDW 474-M01-03RT	11/30/1995	93	<0.7	<5	390	63
SDW 474-M01-04BUT	11/30/1995	38	<0.7	<5	511	53
SDW 474-M01-05BKT	11/30/1995	89	<0.7	<5	415	59
SDW 474-M01-06WT	11/30/1995	149	<0.7	<5	445	99
SDW 474-M01-07O	11/30/1995	52	<0.7	<5	896	76
SDW 474-M01-08GY	11/30/1995	33	<0.7	<5	998	107
SDW 474-M01-09Y	11/30/1995	27	<0.7	<5	305	152
SDW 474-M01-10P	11/30/1995	23	<0.7	<5	292	112
SDW 474-M01-11GN	11/30/1995	19	<0.7	<5	160	97
SDW 474-M01-12R	11/30/1995	21	<0.7	<5	132	93
SDW 474-M01-13BU	11/30/1995	35	<0.7	<5	141	96
SDW 474-M01-14BK	11/30/1995	53	<0.7	<5	175	114
SDW 474-M01-15W	11/30/1995	28	<0.7	<5	191	161
SDW 474-M01-01PT	1/26/1996	--	--	--	--	--
SDW 474-M01-02GNT	1/26/1996	117	<0.7	156	99	130
SDW 474-M01-03RT	1/26/1996	99	<0.7	13	424	65
SDW 474-M01-04BUT	1/26/1996	55	<0.7	8	547	61

Table 7. Concentrations of anions and ammonium for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Source of data: Richard L. Smith and Deborah A. Repert, U.S. Geological Survey, National Research Program, Boulder, CO. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; µM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Nitrate, dissolved (µM)	Nitrite, dissolved (µM)	Ammonium, dissolved (µM)	Chloride, dissolved (µM)	Sulfate, dissolved (µM)
SDW 474-M01-05BKT	1/26/1996	61	<0.7	17	304	79
SDW 474-M01-06WT	1/26/1996	66	<0.7	14	288	116
SDW 474-M01-07O	1/26/1996	65	<0.7	20	291	115
SDW 474-M01-08GY	1/26/1996	35	<0.7	37	756	122
SDW 474-M01-08GY-D	1/26/1996	35	<0.7	22	758	123
SDW 474-M01-09Y	1/26/1996	38	<0.7	19	692	113
SDW 474-M01-10P	1/26/1996	44	<0.7	15	784	61
SDW 474-M01-11GN	1/26/1996	25	<0.7	<5	247	108
SDW 474-M01-12R	1/26/1996	25	<0.7	11	167	98
SDW 474-M01-13BU	1/26/1996	38	<0.7	19	137	94
SDW 474-M01-14BK	1/26/1996	48	<0.7	12	177	120
SDW 474-M01-15W	1/26/1996	30	<0.7	51	204	174
SDW 474-M01-01PT	3/22/1996	128	<0.7	29	531	177
SDW 474-M01-02GNT	3/22/1996	78	<0.7	40	162	187
SDW 474-M01-03RT	3/22/1996	66	<0.7	40	259	141
SDW 474-M01-04BUT	3/22/1996	119	<0.7	34	565	63
SDW 474-M01-05BKT	3/22/1996	34	<0.7	81	838	40
SDW 474-M01-06WT	3/22/1996	52	<0.7	44	390	107
SDW 474-M01-07O	3/22/1996	52	<0.7	125	722	123
SDW 474-M01-08GY	3/22/1996	37	<0.7	25	813	115
SDW 474-M01-09Y	3/22/1996	37	<0.7	37	861	113
SDW 474-M01-09Y-D	3/22/1996	37	<0.7	38	861	113
SDW 474-M01-10P	3/22/1996	48	<0.7	33	922	107
SDW 474-M01-11GN	3/22/1996	27	<0.7	22	325	112
SDW 474-M01-12R	3/22/1996	25	<0.7	16	165	102
SDW 474-M01-13BU	3/22/1996	38	<0.7	38	139	91
SDW 474-M01-14BK	3/22/1996	39	<0.7	59	177	125
SDW 474-M01-15W	3/22/1996	36	<0.7	22	199	188
SDW 474-M01-01PT	5/16/1996	134	<0.7	26	360	225
SDW 474-M01-02GNT	5/16/1996	49	<0.7	28	246	191
SDW 474-M01-02GNT-D	5/16/1996	50	<0.7	22	251	199
SDW 474-M01-03RT	5/16/1996	96	<0.7	31	404	136
SDW 474-M01-04BUT	5/16/1996	82	<0.7	30	603	70
SDW 474-M01-05BKT	5/16/1996	41	<0.7	28	722	50
SDW 474-M01-06WT	5/16/1996	65	<0.7	39	398	94

Table 7. Concentrations of anions and ammonium for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Nitrate, dissolved (µM)	Nitrite, dissolved (µM)	Ammonium, dissolved (µM)	Chloride, dissolved (µM)	Sulfate, dissolved (µM)
SDW 474-M01-07O	5/16/1996	32	<0.7	18	454	154
SDW 474-M01-08GY	5/16/1996	36	<0.7	37	686	157
SDW 474-M01-09Y	5/16/1996	36	<0.7	33	730	112
SDW 474-M01-10P	5/16/1996	58	<0.7	28	1139	72
SDW 474-M01-11GN	5/16/1996	36	<0.7	21	495	80
SDW 474-M01-11GN-D	5/16/1996	37	<0.7	20	506	85
SDW 474-M01-12R	5/16/1996	30	<0.7	6	162	101
SDW 474-M01-13BU	5/16/1996	43	<0.7	6	149	89
SDW 474-M01-14BK	5/16/1996	40	<0.7	7	178	124
SDW 474-M01-15W	5/16/1996	40	<0.7	<5	199	191
SDW 474-M01-01PT	7/30/1996	116	0.8	<5	146	168
SDW 474-M01-02GNT	7/30/1996	26	0.8	6	247	157
SDW 474-M01-02GNT-D	7/30/1996	26	0.8	5	214	156
SDW 474-M01-03RT	7/30/1996	43	<0.7	<5	386	96
SDW 474-M01-04BUT	7/30/1996	77	0.8	5	431	60
SDW 474-M01-05BKT	7/30/1996	206	<0.7	<5	342	54
SDW 474-M01-06WT	7/30/1996	171	0.8	<5	395	68
SDW 474-M01-07O	7/30/1996	48	<0.7	8	646	117
SDW 474-M01-08GY	7/30/1996	37	0.8	8	893	117
SDW 474-M01-09Y	7/30/1996	32	<0.7	<5	582	94
SDW 474-M01-10P	7/30/1996	37	0.8	<5	496	107
SDW 474-M01-11GN	7/30/1996	34	0.8	<5	399	81
SDW 474-M01-11GN-D	7/30/1996	34	0.8	<5	379	80
SDW 474-M01-12R	7/30/1996	29	0.8	5	149	103
SDW 474-M01-13BU	7/30/1996	37	<0.7	<5	162	104
SDW 474-M01-14BK	7/30/1996	32	<0.7	<5	169	143
SDW 474-M01-15W	7/30/1996	35	<0.7	<5	198	204
SDW 474-M01-01PT	11/7/1996	143	<0.7	<5	347	188
SDW 474-M01-02GNT	11/7/1996	318	<0.7	8	89	87
SDW 474-M01-03RT	11/7/1996	101	<0.7	<5	106	101
SDW 474-M01-04BUT	11/7/1996	32	<0.7	<5	246	80
SDW 474-M01-05BKT	11/7/1996	92	<0.7	<5	275	77
SDW 474-M01-06WT	11/7/1996	229	<0.7	10	428	55
SDW 474-M01-07O	11/7/1996	93	<0.7	<5	749	88
SDW 474-M01-07O-D	11/7/1996	93	<0.7	<5	730	76

Table 7. Concentrations of anions and ammonium for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Nitrate, dissolved (µM)	Nitrite, dissolved (µM)	Ammonium, dissolved (µM)	Chloride, dissolved (µM)	Sulfate, dissolved (µM)
SDW 474-M01-08GY	11/7/1996	46	<0.7	<5	962	115
SDW 474-M01-09Y	11/7/1996	25	<0.7	<5	492	143
SDW 474-M01-10P	11/7/1996	32	<0.7	11	366	116
SDW 474-M01-11GN	11/7/1996	30	<0.7	<5	411	79
SDW 474-M01-12R	11/7/1996	25	<0.7	8	143	97
SDW 474-M01-13BU	11/7/1996	29	<0.7	<5	146	118
SDW 474-M01-14BK	11/7/1996	27	<0.7	<5	162	142
SDW 474-M01-15W	11/7/1996	35	<0.7	<5	208	247
SDW 474-M01-01PT	5/8/1997	85	<0.7	<5	142	165
SDW 474-M01-02GNT	5/8/1997	18	<0.7	<5	234	100
SDW 474-M01-03RT	5/8/1997	18	<0.7	<5	267	61
SDW 474-M01-04BUT	5/8/1997	32	<0.7	<5	434	41
SDW 474-M01-05BKT	5/8/1997	60	<0.7	<5	674	43
SDW 474-M01-06WT	5/8/1997	145	<0.7	<5	504	63
SDW 474-M01-06WT-D	5/8/1997	146	<0.7	<5	506	63
SDW 474-M01-07O	5/8/1997	183	<0.7	6	520	73
SDW 474-M01-08GY	5/8/1997	47	<0.7	6	820	115
SDW 474-M01-09Y	5/8/1997	42	<0.7	8	683	167
SDW 474-M01-10P	5/8/1997	30	<0.7	<5	681	137
SDW 474-M01-11GN	5/8/1997	27	<0.7	<5	387	76
SDW 474-M01-12R	5/8/1997	17	<0.7	<5	140	106
SDW 474-M01-13BU	5/8/1997	19	<0.7	<5	155	117
SDW 474-M01-14BK	5/8/1997	27	<0.7	<5	204	147
SDW 474-M01-15W	5/8/1997	35	<0.7	<5	209	220
SDW 474-M01-15W-D	5/8/1997	36	<0.7	<5	210	220
SDW 474-M01-01PT	8/14/1997	274	<0.7	<5	283	127
SDW 474-M01-02GNT	8/14/1997	20	<0.7	11	244	89
SDW 474-M01-03RT	8/14/1997	35	<0.7	11	186	111
SDW 474-M01-04BUT	8/14/1997	34	<0.7	11	131	58
SDW 474-M01-05BKT	8/14/1997	24	<0.7	14	399	115
SDW 474-M01-06WT	8/14/1997	34	<0.7	15	525	71
SDW 474-M01-07O	8/14/1997	177	<0.7	12	414	90
SDW 474-M01-07O-D	8/14/1997	178	<0.7	14	419	114
SDW 474-M01-08GY	8/14/1997	162	<0.7	<5	669	96
SDW 474-M01-09Y	8/14/1997	35	<0.7	17	425	137

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Well or multilevel-sampler port	Date	Nitrate, dissolved (µM)	Nitrite, dissolved (µM)	Ammonium, dissolved (µM)	Chloride, dissolved (µM)	Sulfate, dissolved (µM)
SDW 474-M01-10P	8/14/1997	25	<0.7	10	304	169
SDW 474-M01-11GN	8/14/1997	21	<0.7	9	147	90
SDW 474-M01-12R	8/14/1997	19	<0.7	8	133	102
SDW 474-M01-13BU	8/14/1997	24	<0.7	31	154	110
SDW 474-M01-14BK	8/14/1997	31	<0.7	<5	207	249
SDW 474-M01-15W	8/14/1997	31	<0.7	8	165	217
SDW 474-M01-01PT	10/30/1997	92	<0.7	31	297	93
SDW 474-M01-02GNT	10/30/1997	20	<0.7	27	218	84
SDW 474-M01-03RT	10/30/1997	26	<0.7	19	134	69
SDW 474-M01-04BUT	10/30/1997	24	<0.7	20	193	60
SDW 474-M01-05BKT	10/30/1997	16	<0.7	21	322	96
SDW 474-M01-06WT	10/30/1997	63	<0.7	22	264	141
SDW 474-M01-07O	10/30/1997	162	<0.7	25	393	72
SDW 474-M01-07O-D	10/30/1997	163	<0.7	26	400	71
SDW 474-M01-08GY	10/30/1997	201	<0.7	27	487	107
SDW 474-M01-09Y	10/30/1997	80	<0.7	23	648	77
SDW 474-M01-10P	10/30/1997	23	<0.7	35	153	110
SDW 474-M01-11GN	10/30/1997	23	<0.7	18	147	90
SDW 474-M01-12R	10/30/1997	22	<0.7	22	145	100
SDW 474-M01-13BU	10/30/1997	25	<0.7	17	159	120
SDW 474-M01-14BK	10/30/1997	33	<0.7	19	208	179
SDW 474-M01-15W	10/30/1997	30	<0.7	23	164	185
SDW 474-M01-01PT	5/18/1998	630	<0.7	8	200	382
SDW 474-M01-02GNT	5/18/1998	180	<0.7	<5	391	55
SDW 474-M01-03RT	5/18/1998	31	<0.7	13	209	70
SDW 474-M01-04BUT	5/18/1998	35	<0.7	25	270	75
SDW 474-M01-05BKT	5/18/1998	16	<0.7	13	623	59
SDW 474-M01-05BKT-D	5/18/1998	16	<0.7	8	628	59
SDW 474-M01-06WT	5/18/1998	25	<0.7	<5	157	107
SDW 474-M01-07O	5/18/1998	100	<0.7	<5	506	84
SDW 474-M01-08GY	5/18/1998	49	<0.7	7	866	69
SDW 474-M01-09Y	5/18/1998	38	<0.7	<5	678	123
SDW 474-M01-10P	5/18/1998	36	<0.7	6	337	70
SDW 474-M01-11GN	5/18/1998	32	<0.7	11	206	80
SDW 474-M01-12R	5/18/1998	29	<0.7	<5	147	94

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Well or multilevel-sampler port	Date	Nitrate, dissolved (µM)	Nitrite, dissolved (µM)	Ammonium, dissolved (µM)	Chloride, dissolved (µM)	Sulfate, dissolved (µM)
SDW 474-M01-13BU	5/18/1998	27	<0.7	7	162	123
SDW 474-M01-14BK	5/18/1998	38	<0.7	14	216	180
SDW 474-M01-14BK-D	5/18/1998	38	<0.7	10	220	180
SDW 474-M01-15W	5/18/1998	28	<0.7	5	170	169
SDW 474-M01-01PT	11/4/1998	27	<0.7	7	200	128
SDW 474-M01-02GNT	11/4/1998	40	<0.7	6	160	81
SDW 474-M01-03RT	11/4/1998	36	<0.7	6	190	55
SDW 474-M01-04BUT	11/4/1998	30	<0.7	6	209	63
SDW 474-M01-05BKT	11/4/1998	45	<0.7	7	318	91
SDW 474-M01-05BKT-D	11/4/1998	45	<0.7	7	321	92
SDW 474-M01-06WT	11/4/1998	63	<0.7	<5	298	81
SDW 474-M01-07O	11/4/1998	82	<0.7	7	462	71
SDW 474-M01-08GY	11/4/1998	52	<0.7	7	740	96
SDW 474-M01-09Y	11/4/1998	32	<0.7	<5	1253	119
SDW 474-M01-10P	11/4/1998	30	<0.7	<5	1841	138
SDW 474-M01-11GN	11/4/1998	33	<0.7	<5	1631	135
SDW 474-M01-12R	11/4/1998	28	<0.7	5	242	80
SDW 474-M01-13BU	11/4/1998	26	<0.7	6	170	128
SDW 474-M01-14BK	11/4/1998	34	<0.7	<5	204	201
SDW 474-M01-14BK-D	11/4/1998	34	<0.7	5	206	200
SDW 474-M01-15W	11/4/1998	30	<0.7	5	169	131
SDW 474-M01-01PT	6/16/1999	128	<0.7	5	144	132
SDW 474-M01-01PT-D	6/16/1999	128	<0.7	6	142	136
SDW 474-M01-02GNT	6/16/1999	38	<0.7	5	225	60
SDW 474-M01-03RT	6/16/1999	38	<0.7	7	619	40
SDW 474-M01-04BUT	6/16/1999	29	<0.7	5	721	52
SDW 474-M01-05BKT	6/16/1999	76	<0.7	5	344	72
SDW 474-M01-06WT	6/16/1999	218	<0.7	5	286	83
SDW 474-M01-07O	6/16/1999	81	<0.7	<5	651	129
SDW 474-M01-07O-D	6/16/1999	81	<0.7	5	655	130
SDW 474-M01-08GY	6/16/1999	39	<0.7	5	1162	147
SDW 474-M01-09Y	6/16/1999	33	<0.7	6	1319	178
SDW 474-M01-10P	6/16/1999	29	<0.7	7	1273	196
SDW 474-M01-11GN	6/16/1999	40	<0.7	5	1304	128
SDW 474-M01-12R	6/16/1999	31	<0.7	<5	507	60

Table 7. Concentrations of anions and ammonium for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Source of data: Richard L. Smith and Deborah A. Repert, U.S. Geological Survey, National Research Program, Boulder, CO. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; µM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Nitrate, dissolved (µM)	Nitrite, dissolved (µM)	Ammonium, dissolved (µM)	Chloride, dissolved (µM)	Sulfate, dissolved (µM)
SDW 474-M01-13BU	6/16/1999	28	<0.7	5	153	124
SDW 474-M01-13BU-D	6/16/1999	28	<0.7	8	155	124
SDW 474-M01-14BK	6/16/1999	24	<0.7	5	200	200
SDW 474-M01-15W	6/16/1999	31	<0.7	5	181	158
SDW 474-M01-01PT	6/12/2000	297	<0.7	<5	139	202
SDW 474-M01-02GNT	6/12/2000	39	<0.7	<5	239	47
SDW 474-M01-03RT	6/12/2000	77	<0.7	<5	484	28
SDW 474-M01-04BUT	6/12/2000	124	<0.7	<5	548	29
SDW 474-M01-05BKT	6/12/2000	118	<0.7	<5	302	79
SDW 474-M01-06WT	6/12/2000	47	<0.7	<5	630	84
SDW 474-M01-06WT-D	6/12/2000	48	<0.7	<5	649	85
SDW 474-M01-07O	6/12/2000	26	<0.7	<5	636	141
SDW 474-M01-08GY	6/12/2000	32	<0.7	<5	717	152
SDW 474-M01-09Y	6/12/2000	28	<0.7	<5	935	113
SDW 474-M01-10P	6/12/2000	24	<0.7	<5	416	177
SDW 474-M01-11GN	6/12/2000	23	<0.7	<5	311	96
SDW 474-M01-12R	6/12/2000	26	<0.7	<5	157	95
SDW 474-M01-13BU	6/12/2000	25	<0.7	<5	211	150
SDW 474-M01-14BK	6/12/2000	31	<0.7	<5	211	177
SDW 474-M01-15W	6/12/2000	23	<0.7	<5	184	109
SDW 474-M01-01PT	6/17/2002	--	--	--	--	--
SDW 474-M01-02GNT	6/17/2002	145	<0.7	<5	232	80
SDW 474-M01-03RT	6/17/2002	30	<0.7	<5	746	41
SDW 474-M01-04BUT	6/17/2002	22	<0.7	<5	917	46
SDW 474-M01-05BKT	6/17/2002	16	<0.7	<5	1174	90
SDW 474-M01-06WT	6/17/2002	21	<0.7	<5	964	132
SDW 474-M01-07O	6/17/2002	74	<0.7	<5	714	145
SDW 474-M01-08GY	6/17/2002	50	<0.7	<5	1022	71
SDW 474-M01-09Y	6/17/2002	41	<0.7	<5	1367	63
SDW 474-M01-10P	6/17/2002	46	<0.7	<5	1609	40
SDW 474-M01-11GN	6/17/2002	49	<0.7	<5	1069	38
SDW 474-M01-12R	6/17/2002	34	<0.7	<5	449	80
SDW 474-M01-12R-D	6/17/2002	34	<0.7	<5	457	80
SDW 474-M01-13BU	6/17/2002	29	<0.7	<5	227	104
SDW 474-M01-14BK	6/17/2002	29	<0.7	<5	431	73

Table 7. Concentrations of anions and ammonium for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Source of data: Richard L. Smith and Deborah A. Repert, U.S. Geological Survey, National Research Program, Boulder, CO. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; µM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Nitrate, dissolved (µM)	Nitrite, dissolved (µM)	Ammonium, dissolved (µM)	Chloride, dissolved (µM)	Sulfate, dissolved (µM)
SDW 474-M01-15W	6/17/2002	25	<0.7	<5	301	95
SDW 474-M01-01PT	5/30/2003	27	<0.7	<5	54	61
SDW 474-M01-02GNT	5/30/2003	25	<0.7	<5	118	30
SDW 474-M01-03RT	5/30/2003	15	<0.7	<5	146	15
SDW 474-M01-04BUT	5/30/2003	33	<0.7	<5	1047	31
SDW 474-M01-05BKT	5/30/2003	14	<0.7	<5	1456	40
SDW 474-M01-05BKT-D	5/30/2003	14	<0.7	<5	1456	40
SDW 474-M01-06WT	5/30/2003	12	<0.7	<5	1435	46
SDW 474-M01-07O	5/30/2003	24	<0.7	<5	1027	90
SDW 474-M01-08GY	5/30/2003	33	<0.7	<5	1996	112
SDW 474-M01-09Y	5/30/2003	51	<0.7	<5	2950	88
SDW 474-M01-10P	5/30/2003	42	<0.7	<5	1783	111
SDW 474-M01-10P-D	5/30/2003	42	<0.7	<5	1778	111
SDW 474-M01-11GN	5/30/2003	44	<0.7	<5	1759	78
SDW 474-M01-12R	5/30/2003	34	<0.7	<5	880	56
SDW 474-M01-13BU	5/30/2003	33	<0.7	<5	883	36
SDW 474-M01-14BK	5/30/2003	34	<0.7	<5	877	70
SDW 474-M01-15W	5/30/2003	29	<0.7	<5	755	78
SDW 474-M01-01PT	8/26/2004	44	<0.7	<5	166	96
SDW 474-M01-02GNT	8/26/2004	21	<0.7	<5	236	61
SDW 474-M01-03RT	8/26/2004	23	<0.7	<5	314	37
SDW 474-M01-04BUT	8/26/2004	20	<0.7	<5	531	34
SDW 474-M01-05BKT	8/26/2004	15	<0.7	<5	625	119
SDW 474-M01-06WT	8/26/2004	19	<0.7	<5	696	116
SDW 474-M01-07O	8/26/2004	46	<0.7	<5	471	110
SDW 474-M01-08GY	8/26/2004	26	<0.7	<5	286	188
SDW 474-M01-09Y	8/26/2004	26	<0.7	<5	340	219
SDW 474-M01-09Y-D	8/26/2004	25	<0.7	<5	334	215
SDW 474-M01-10P	8/26/2004	42	<0.7	<5	714	286
SDW 474-M01-11GN	8/26/2004	47	<0.7	<5	2251	80
SDW 474-M01-12R	8/26/2004	43	<0.7	<5	1872	100
SDW 474-M01-13BU	8/26/2004	38	<0.7	<5	2495	77
SDW 474-M01-14BK	8/26/2004	33	<0.7	<5	1295	153
SDW 474-M01-15W	8/26/2004	34	<0.7	<5	1057	77

Table 7. Concentrations of anions and ammonium for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Source of data: Richard L. Smith and Deborah A. Repert, U.S. Geological Survey, National Research Program, Boulder, CO. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; µM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Nitrate, dissolved (µM)	Nitrite, dissolved (µM)	Ammonium, dissolved (µM)	Chloride, dissolved (µM)	Sulfate, dissolved (µM)
SDW 521-M01-01PT	8/14/2001	20	<0.7	<5	590	89
SDW 521-M01-02GNT	8/14/2001	133	<0.7	<5	332	177
SDW 521-M01-03RT	8/14/2001	226	<0.7	<5	296	130
SDW 521-M01-04BUT	8/14/2001	46	<0.7	<5	349	69
SDW 521-M01-05BKT	8/14/2001	44	<0.7	<5	347	99
SDW 521-M01-06WT	8/14/2001	42	<0.7	<5	487	88
SDW 521-M01-07O	8/14/2001	98	<0.7	58	897	86
SDW 521-M01-08GY	8/14/2001	96	<0.7	30	725	142
SDW 521-M01-09Y	8/14/2001	69	<0.7	15	650	128
SDW 521-M01-10P	8/14/2001	35	<0.7	<5	447	95
SDW 521-M01-11GN	8/14/2001	20	<0.7	<5	216	132
SDW 521-M01-12R	8/14/2001	22	<0.7	<5	182	289
SDW 521-M01-13BU	8/14/2001	22	<0.7	<5	165	197
SDW 521-M01-13BU-D	8/14/2001	21	<0.7	<5	165	198
SDW 521-M01-14BK	8/14/2001	23	<0.7	<5	218	167
SDW 521-M01-15W	8/14/2001	25	<0.7	<5	222	193
SDW 521-M01-01PT	6/17/2002	--	--	--	--	--
SDW 521-M01-02GNT	6/17/2002	103	<0.7	<5	199	190
SDW 521-M01-03RT	6/17/2002	47	<0.7	<5	279	122
SDW 521-M01-04BUT	6/17/2002	34	<0.7	<5	308	69
SDW 521-M01-05BKT	6/17/2002	40	<0.7	<5	370	71
SDW 521-M01-06WT	6/17/2002	54	<0.7	<5	322	110
SDW 521-M01-07O	6/17/2002	57	<0.7	51	721	96
SDW 521-M01-08GY	6/17/2002	65	<0.7	36	909	76
SDW 521-M01-09Y	6/17/2002	51	<0.7	5	854	104
SDW 521-M01-10P	6/17/2002	55	<0.7	<5	829	76
SDW 521-M01-10P-D	6/17/2002	54	<0.7	<5	825	76
SDW 521-M01-11GN	6/17/2002	49	<0.7	<5	574	46
SDW 521-M01-12R	6/17/2002	23	<0.7	<5	193	80
SDW 521-M01-13BU	6/17/2002	25	<0.7	10	195	100
SDW 521-M01-14BK	6/17/2002	25	<0.7	8	222	164
SDW 521-M01-15W	6/17/2002	22	<0.7	<5	195	163
SDW 521-M01-01PT	6/3/2003	47	<0.7	<5	209	84
SDW 521-M01-02GNT	6/3/2003	81	<0.7	<5	361	122
SDW 521-M01-03RT	6/3/2003	370	<0.7	<5	140	138

Table 7. Concentrations of anions and ammonium for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Source of data: Richard L. Smith and Deborah A. Repert, U.S. Geological Survey, National Research Program, Boulder, CO. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; µM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Nitrate, dissolved (µM)	Nitrite, dissolved (µM)	Ammonium, dissolved (µM)	Chloride, dissolved (µM)	Sulfate, dissolved (µM)
SDW 521-M01-04BUT	6/3/2003	78	<0.7	<5	248	166
SDW 521-M01-05BKT	6/3/2003	18	<0.7	<5	318	79
SDW 521-M01-06WT	6/3/2003	33	<0.7	<5	379	111
SDW 521-M01-06WT-D	6/3/2003	34	<0.7	15	378	111
SDW 521-M01-07O	6/3/2003	65	<0.7	<5	466	176
SDW 521-M01-08GY	6/3/2003	69	<0.7	<5	644	120
SDW 521-M01-09Y	6/3/2003	59	<0.7	<5	891	113
SDW 521-M01-10P	6/3/2003	46	<0.7	<5	1421	65
SDW 521-M01-11GN	6/3/2003	24	<0.7	<5	433	38
SDW 521-M01-12R	6/3/2003	31	<0.7	<5	358	81
SDW 521-M01-13BU	6/3/2003	34	<0.7	<5	214	94
SDW 521-M01-14BK	6/3/2003	17	<0.7	<5	83	58
SDW 521-M01-15W	6/3/2003	28	<0.7	<5	202	106
SDW 521-M01-01PT	7/26/2004	27	<0.7	<5	225	74
SDW 521-M01-02GNT	7/26/2004	172	<0.7	<5	134	120
SDW 521-M01-03RT	7/26/2004	49	<0.7	<5	204	73
SDW 521-M01-04BUT	7/26/2004	24	<0.7	<5	589	47
SDW 521-M01-05BKT	7/26/2004	16	<0.7	<5	818	57
SDW 521-M01-06WT	7/26/2004	19	<0.7	<5	519	79
SDW 521-M01-07O	7/26/2004	31	<0.7	<5	472	92
SDW 521-M01-08GY	7/26/2004	28	<0.7	<5	595	159
SDW 521-M01-09Y	7/26/2004	32	<0.7	<5	897	172
SDW 521-M01-09P	7/26/2004	45	<0.7	<5	1792	127
SDW 521-M01-10P-D	7/26/2004	45	<0.7	<5	1787	126
SDW 521-M01-11GN	7/26/2004	38	<0.7	<5	1492	80
SDW 521-M01-12R	7/26/2004	36	<0.7	<5	1192	44
SDW 521-M01-13BU	7/26/2004	35	<0.7	<5	1130	60
SDW 521-M01-14BK	7/26/2004	31	<0.7	<5	490	77
SDW 521-M01-15W	7/26/2004	29	<0.7	<5	262	91

Table 8. Concentrations of dissolved organic carbon, dissolved inorganic carbon, and ultraviolet/visible absorbance for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994–2004.

[Source of data: Richard L. Smith, Larry B. Barber, and Deborah A. Repert, U.S. Geological Survey, National Research Program, Boulder, CO. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; µM, micromoles per liter; mM, millimoles per liter; nm, nanometer; --, no data]

Well or multilevel-sampler port	Date	Carbon, organic, dissolved, total (µM)	Carbon, inorganic, dissolved, total (mM)	Absorbance, filtered sample, 254-nm wavelength
FSW 343-M01-01PT	11/29/1994	142	2	0
FSW 343-M01-02GNT	11/29/1994	108	1	0
FSW 343-M01-03RT	11/29/1994	75	1	0
FSW 343-M01-04BUT	11/29/1994	58	1	0
FSW 343-M01-05BKT	11/29/1994	25	0	0
FSW 343-M01-06WT	11/29/1994	25	0	0
FSW 343-M01-06WT-D	11/29/1994	17	0	0
FSW 343-M01-07O	11/29/1994	25	0	0
FSW 343-M01-08GY	11/29/1994	17	0	0
FSW 343-M01-09Y	11/29/1994	8	0	0
FSW 343-M01-10P	11/29/1994	17	0	0
FSW 343-M01-11GN	11/29/1994	8	0	0
FSW 343-M01-12R	11/29/1994	8	0	0
FSW 343-M01-13BU	11/29/1994	17	0	0
FSW 343-M01-14BK	11/29/1994	8	0	0
FSW 343-M01-15W	11/29/1994	8	0	0
FSW 343-M02-01PT	11/29/1994	258	1	0
FSW 343-M02-02GNT	11/29/1994	242	1	0
FSW 343-M02-03RT	11/29/1994	233	1	0
FSW 343-M02-04BUT	11/29/1994	283	1	0
FSW 343-M02-05BKT	11/29/1994	342	1	0
FSW 343-M02-06WT	11/29/1994	267	1	0
FSW 343-M02-07O	11/29/1994	225	1	0
FSW 343-M02-07O-D	11/29/1994	225	1	0
FSW 343-M02-08GY	11/29/1994	192	1	0
FSW 343-M02-09Y	11/29/1994	217	1	0
FSW 343-M02-10P	11/29/1994	217	2	0
FSW 343-M02-11GN	11/29/1994	225	1	0
FSW 343-M02-12R	11/29/1994	208	1	0
FSW 343-M02-13BU	11/29/1994	150	1	1
FSW 343-M02-14BK	11/29/1994	108	1	0
FSW 343-M02-15W	11/29/1994	75	1	0
FSW 343-M03-01PT (1-19)	11/29/1994	--	--	--
FSW 343-M03-02GNT (1-19)	11/29/1994	17	0	0
FSW 343-M03-03RT (1-19)	11/29/1994	17	0	0
FSW 343-M03-04BUT (1-19)	11/29/1994	58	1	0

Table 8. Concentrations of dissolved organic carbon, dissolved inorganic carbon, and ultraviolet/visible absorbance for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Source of data: Richard L. Smith, Larry B. Barber, and Deborah A. Repert, U.S. Geological Survey, National Research Program, Boulder, CO. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; µM, micromoles per liter; mM, millimoles per liter; nm, nanometer; --, no data]

Well or multilevel-sampler port	Date	Carbon, organic, dissolved, total (µM)	Carbon, inorganic, dissolved, total (mM)	Absorbance, filtered sample, 254-nm wavelength
FSW 343-M03-05BKT (1-19)	11/30/1994	117	0	0
FSW 343-M03-06WT (1-19)	11/30/1994	142	1	0
FSW 343-M03-07O (1-19)	11/30/1994	200	0	0
FSW 343-M03-08GY (1-19)	11/30/1994	250	0	0
FSW 343-M03-09Y (1-19)	11/30/1994	275	0	0
FSW 343-M03-09Y (1-19)-D	11/30/1994	292	0	0
FSW 343-M03-10P (1-19)	11/30/1994	283	0	0
FSW 343-M03-11GN (1-19)	11/30/1994	242	1	0
FSW 343-M03-12R (1-19)	11/30/1994	250	1	0
FSW 343-M03-13BU (1-19)	11/29/1994	242	1	0
FSW 343-M03-14BK (1-19)	11/29/1994	217	1	0
FSW 343-M03-15W (1-19)	11/29/1994	375	1	0
FSW 343-M01-01PT	6/18/1996	151	2	--
FSW 343-M01-02GNT	6/18/1996	148	1	--
FSW 343-M01-03RT	6/18/1996	98	1	--
FSW 343-M01-04BUT	6/18/1996	90	1	--
FSW 343-M01-05BKT	6/18/1996	64	1	--
FSW 343-M01-06WT	6/18/1996	38	0	--
FSW 343-M01-06WT-D	6/18/1996	23	0	--
FSW 343-M01-07O	6/18/1996	32	0	--
FSW 343-M01-08GY	6/18/1996	--	--	--
FSW 343-M01-09Y	6/18/1996	53	0	--
FSW 343-M01-10P	6/18/1996	43	0	--
FSW 343-M01-11GN	6/18/1996	42	0	--
FSW 343-M01-12R	6/18/1996	46	0	--
FSW 343-M01-13BU	6/18/1996	--	--	--
FSW 343-M01-14BK	6/18/1996	47	0	--
FSW 343-M01-15W	6/18/1996	55	0	--
FSW 343-M02-01PT	6/17/1996	245	1	--
FSW 343-M02-02GNT	6/17/1996	269	1	--
FSW 343-M02-03RT	6/17/1996	267	1	--
FSW 343-M02-04BUT	6/18/1996	313	1	--
FSW 343-M02-05BKT	6/18/1996	292	1	--
FSW 343-M02-06WT	6/18/1996	293	1	--
FSW 343-M02-07O	6/18/1996	278	1	--
FSW 343-M02-08GY	6/18/1996	246	1	--

Table 8. Concentrations of dissolved organic carbon, dissolved inorganic carbon, and ultraviolet/visible absorbance for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Source of data: Richard L. Smith, Larry B. Barber, and Deborah A. Repert, U.S. Geological Survey, National Research Program, Boulder, CO. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; µM, micromoles per liter; mM, millimoles per liter; nm, nanometer; --, no data]

Well or multilevel-sampler port	Date	Carbon, organic, dissolved, total (µM)	Carbon, inorganic, dissolved, total (mM)	Absorbance, filtered sample, 254-nm wavelength
FSW 343-M02-09Y	6/18/1996	228	1	--
FSW 343-M02-10P	6/18/1996	197	1	--
FSW 343-M02-11GN	6/18/1996	217	1	--
FSW 343-M02-12R	6/18/1996	199	1	--
FSW 343-M02-13BU	6/18/1996	223	1	--
FSW 343-M02-14BK	6/18/1996	198	1	--
FSW 343-M02-15W	6/18/1996	201	1	--
FSW 343-M03-01PT	6/17/1996	41	0	--
FSW 343-M03-02GNT	6/17/1996	28	0	--
FSW 343-M03-03RT	6/17/1996	18	0	--
FSW 343-M03-04BUT	6/17/1996	63	0	--
FSW 343-M03-05BKT	6/17/1996	119	0	--
FSW 343-M03-06WT	6/17/1996	148	0	--
FSW 343-M03-07O	6/17/1996	194	0	--
FSW 343-M03-08GY	6/17/1996	264	1	--
FSW 343-M03-09Y	6/17/1996	223	0	--
FSW 343-M03-10P	6/17/1996	238	1	--
FSW 343-M03-11GN	6/17/1996	236	1	--
FSW 343-M03-12R	6/17/1996	241	1	--
FSW 343-M03-13BU	6/17/1996	241	1	--
FSW 343-M03-14BK	6/17/1996	256	1	--
FSW 343-M03-15W	6/17/1996	278	1	--
FSW 343-M01-01PT	11/18/1996	211	1	0
FSW 343-M01-02GNT	11/18/1996	143	1	0
FSW 343-M01-03RT	11/18/1996	140	1	0
FSW 343-M01-04BUT	11/18/1996	104	1	0
FSW 343-M01-05BKT	11/18/1996	128	1	0
FSW 343-M01-06WT	11/18/1996	29	0	0
FSW 343-M01-07O	11/18/1996	28	0	0
FSW 343-M01-08GY	11/18/1996	18	0	0
FSW 343-M01-09Y	11/18/1996	17	0	0
FSW 343-M01-10P	11/18/1996	18	0	0
FSW 343-M01-11GN	11/18/1996	21	0	0
FSW 343-M01-12R	11/18/1996	18	0	0
FSW 343-M01-13BU	11/18/1996	--	--	--
FSW 343-M01-14BK	11/18/1996	19	0	0

Table 8. Concentrations of dissolved organic carbon, dissolved inorganic carbon, and ultraviolet/visible absorbance for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Source of data: Richard L. Smith, Larry B. Barber, and Deborah A. Repert, U.S. Geological Survey, National Research Program, Boulder, CO. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; µM, micromoles per liter; mM, millimoles per liter; nm, nanometer; --, no data]

Well or multilevel-sampler port	Date	Carbon, organic, dissolved, total (µM)	Carbon, inorganic, dissolved, total (mM)	Absorbance, filtered sample, 254-nm wavelength
FSW 343-M01-15W	11/18/1996	22	0	0
FSW 343-M02-01PT	11/18/1996	266	0	0
FSW 343-M02-02GNT	11/18/1996	267	1	0
FSW 343-M02-03RT	11/18/1996	257	0	0
FSW 343-M02-04BUT	11/18/1996	305	0	0
FSW 343-M02-05BKT	11/18/1996	310	1	0
FSW 343-M02-06WT	11/18/1996	284	1	0
FSW 343-M02-07O	11/18/1996	278	1	0
FSW 343-M02-08GY	11/18/1996	273	1	0
FSW 343-M02-09Y	11/18/1996	233	1	0
FSW 343-M02-10P	11/18/1996	205	1	0
FSW 343-M02-11GN	11/18/1996	227	1	0
FSW 343-M02-12R	11/18/1996	255	1	0
FSW 343-M02-13BU	11/18/1996	263	1	0
FSW 343-M02-14BK	11/18/1996	223	1	0
FSW 343-M02-15W	11/18/1996	173	1	0
FSW 343-M03-01PT	11/18/1996	52	0	0
FSW 343-M03-02GNT	11/18/1996	57	0	0
FSW 343-M03-03RT	11/18/1996	49	0	0
FSW 343-M03-04BUT	11/18/1996	46	0	0
FSW 343-M03-05BKT	11/18/1996	75	0	0
FSW 343-M03-06WT	11/18/1996	119	0	0
FSW 343-M03-07O	11/18/1996	163	0	0
FSW 343-M03-08GY	11/18/1996	231	0	0
FSW 343-M03-09Y	11/18/1996	272	0	0
FSW 343-M03-10P	11/18/1996	277	1	0
FSW 343-M03-11GN	11/18/1996	293	1	0
FSW 343-M03-12R	11/18/1996	297	1	0
FSW 343-M03-13BU	11/18/1996	306	1	0
FSW 343-M03-14BK	11/18/1996	314	1	0
FSW 343-M03-15W	11/18/1996	317	1	0
FSW 343-M01-01PT	2/19/1997	--	--	--
FSW 343-M01-02GNT	2/19/1997	--	--	--
FSW 343-M01-03RT	2/19/1997	--	--	--
FSW 343-M01-04BUT	2/19/1997	--	--	--

Table 8. Concentrations of dissolved organic carbon, dissolved inorganic carbon, and ultraviolet/visible absorbance for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Source of data: Richard L. Smith, Larry B. Barber, and Deborah A. Repert, U.S. Geological Survey, National Research Program, Boulder, CO. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; µM, micromoles per liter; mM, millimoles per liter; nm, nanometer; --, no data]

Well or multilevel-sampler port	Date	Carbon, organic, dissolved, total (µM)	Carbon, inorganic, dissolved, total (mM)	Absorbance, filtered sample, 254-nm wavelength
FSW 343-M01-05BKT	2/19/1997	--	--	--
FSW 343-M01-06WT	2/19/1997	--	--	--
FSW 343-M01-07O	2/19/1997	--	--	--
FSW 343-M01-08GY	2/19/1997	--	--	--
FSW 343-M01-09Y	2/19/1997	--	--	--
FSW 343-M01-10P	2/19/1997	--	--	--
FSW 343-M02-01PT	2/19/1997	--	--	--
FSW 343-M02-02GNT	2/19/1997	--	--	--
FSW 343-M02-03RT	2/19/1997	--	--	--
FSW 343-M02-04BUT	2/19/1997	--	--	--
FSW 343-M02-05BKT	2/19/1997	--	--	--
FSW 343-M02-06WT	2/19/1997	--	--	--
FSW 343-M02-07O	2/19/1997	--	--	--
FSW 343-M02-08GY	2/19/1997	--	--	--
FSW 343-M02-09Y	2/19/1997	--	--	--
FSW 343-M02-10P	2/19/1997	--	--	--
FSW 343-M02-11GN	2/19/1997	--	--	--
FSW 343-M02-12R	2/19/1997	--	--	--
FSW 343-M02-13BU	2/19/1997	--	--	--
FSW 343-M02-14BK	2/19/1997	--	--	--
FSW 343-M02-15W	2/19/1997	--	--	--
FSW 343-M03-01PT (1-19)	2/19/1997	--	--	--
FSW 343-M03-02GNT (1-19)	2/19/1997	--	--	--
FSW 343-M03-03RT (1-19)	2/19/1997	--	--	--
FSW 343-M03-04BUT (1-19)	2/19/1997	--	--	--
FSW 343-M03-05BKT (1-19)	2/19/1997	--	--	--
FSW 343-M03-06WT (1-19)	2/19/1997	--	--	--
FSW 343-M03-07O (1-19)	2/19/1997	--	--	--
FSW 343-M03-08GY (1-19)	2/19/1997	--	--	--
FSW 343-M03-09Y (1-19)	2/19/1997	--	--	--
FSW 343-M03-10P (1-19)	2/19/1997	--	--	--
FSW 343-M03-11GN (1-19)	2/19/1997	--	--	--
FSW 343-M03-12R (1-19)	2/19/1997	--	--	--
FSW 343-M03-13BU (1-19)	2/19/1997	--	--	--
FSW 343-M03-14BK (1-19)	2/19/1997	--	--	--
FSW 343-M03-15W (1-19)	2/19/1997	--	--	--

Table 8. Concentrations of dissolved organic carbon, dissolved inorganic carbon, and ultraviolet/visible absorbance for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Source of data: Richard L. Smith, Larry B. Barber, and Deborah A. Repert, U.S. Geological Survey, National Research Program, Boulder, CO. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; µM, micromoles per liter; mM, millimoles per liter; nm, nanometer; --, no data]

Well or multilevel-sampler port	Date	Carbon, organic, dissolved, total (µM)	Carbon, inorganic, dissolved, total (mM)	Absorbance, filtered sample, 254-nm wavelength
FSW 343-M01-01PT	5/14/1997	--	--	--
FSW 343-M01-02GNT	5/14/1997	98	1	0
FSW 343-M01-03RT	5/14/1997	107	1	0
FSW 343-M01-04BUT	5/14/1997	76	1	0
FSW 343-M01-05BKT	5/14/1997	45	1	0
FSW 343-M01-06WT	5/14/1997	23	0	0
FSW 343-M01-07O	5/14/1997	17	0	0
FSW 343-M01-08GY	5/14/1997	16	0	0
FSW 343-M01-09Y	5/14/1997	15	0	0
FSW 343-M01-10P	5/14/1997	18	0	0
FSW 343-M02-01PT	5/15/1997	--	--	--
FSW 343-M02-02GNT	5/15/1997	--	--	--
FSW 343-M02-03RT	5/15/1997	353	2	0
FSW 343-M02-04BUT	5/15/1997	350	2	0
FSW 343-M02-05BKT	5/15/1997	250	3	0
FSW 343-M02-06WT	5/15/1997	259	3	0
FSW 343-M02-07O	5/15/1997	258	2	0
FSW 343-M02-08GY	5/15/1997	265	2	0
FSW 343-M02-09Y	5/15/1997	255	2	0
FSW 343-M02-10P	5/15/1997	198	2	0
FSW 343-M02-11GN	5/15/1997	193	2	0
FSW 343-M02-12R	5/15/1997	223	2	1
FSW 343-M02-13BU	5/15/1997	171	1	1
FSW 343-M02-14BK	5/15/1997	130	1	1
FSW 343-M02-15W	5/15/1997	68	1	0
FSW 343-M03-01PT (1-19)	5/15/1997	26	0	0
FSW 343-M03-02GNT (1-19)	5/15/1997	23	0	0
FSW 343-M03-03RT (1-19)	5/15/1997	37	0	--
FSW 343-M03-04BUT (1-19)	5/15/1997	66	0	0
FSW 343-M03-05BKT (1-19)	5/15/1997	114	0	0
FSW 343-M03-06WT (1-19)	5/15/1997	144	0	0
FSW 343-M03-07O (1-19)	5/15/1997	207	1	0
FSW 343-M03-08GY (1-19)	5/15/1997	207	1	0
FSW 343-M03-09Y (1-19)	5/15/1997	212	1	0
FSW 343-M03-10P (1-19)	5/15/1997	225	1	0

Table 8. Concentrations of dissolved organic carbon, dissolved inorganic carbon, and ultraviolet/visible absorbance for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Carbon, organic, dissolved, total (µM)	Carbon, inorganic, dissolved, total (mM)	Absorbance, filtered sample, 254-nm wavelength
FSW 343-M03-11GN (1-19)	5/15/1997	232	1	0
FSW 343-M03-12R (1-19)	5/15/1997	231	1	0
FSW 343-M03-13BU (1-19)	5/15/1997	246	1	0
FSW 343-M03-14BK (1-19)	5/15/1997	253	2	0
FSW 343-M03-15W (1-19)	5/15/1997	288	2	0
FSW 343-M01-01PT	8/6/1997	--	--	--
FSW 343-M01-02GNT	8/6/1997	57	--	0
FSW 343-M01-03RT	8/6/1997	110	--	0
FSW 343-M01-04BUT	8/6/1997	71	--	0
FSW 343-M01-05BKT	8/6/1997	63	--	0
FSW 343-M01-06WT	8/6/1997	23	--	0
FSW 343-M01-07O	8/6/1997	55	--	0
FSW 343-M01-08GY	8/6/1997	24	--	0
FSW 343-M01-09Y	8/6/1997	22	--	0
FSW 343-M01-10P	8/6/1997	20	--	0
FSW 343-M02-01PT	8/6/1997	--	--	--
FSW 343-M02-02GNT	8/6/1997	--	--	--
FSW 343-M02-03RT	8/6/1997	307	--	0
FSW 343-M02-04BUT	8/6/1997	165	--	0
FSW 343-M02-05BKT	8/6/1997	151	--	0
FSW 343-M02-06WT	8/6/1997	203	--	0
FSW 343-M02-07O	8/6/1997	246	--	0
FSW 343-M02-08GY	8/6/1997	255	--	0
FSW 343-M02-09Y	8/6/1997	178	--	0
FSW 343-M02-10P	8/6/1997	218	--	0
FSW 343-M02-11GN	8/6/1997	217	--	1
FSW 343-M02-12R	8/6/1997	107	--	0
FSW 343-M02-13BU	8/6/1997	64	--	0
FSW 343-M02-14BK	8/6/1997	69	--	0
FSW 343-M02-15W	8/6/1997	56	--	0
FSW 343-M03-01PT	8/7/1997	43	--	0
FSW 343-M03-02GNT	8/7/1997	45	--	0
FSW 343-M03-03RT	8/7/1997	43	--	0
FSW 343-M03-04BUT	8/7/1997	105	--	0
FSW 343-M03-05BKT	8/7/1997	196	--	0

Table 8. Concentrations of dissolved organic carbon, dissolved inorganic carbon, and ultraviolet/visible absorbance for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Carbon, organic, dissolved, total (µM)	Carbon, inorganic, dissolved, total (mM)	Absorbance, filtered sample, 254-nm wavelength
FSW 343-M03-06WT	8/7/1997	238	--	0
FSW 343-M03-07O	8/7/1997	295	--	0
FSW 343-M03-08GY	8/7/1997	327	--	0
FSW 343-M03-09Y	8/7/1997	352	--	0
FSW 343-M03-10P	8/7/1997	329	--	0
FSW 343-M03-11GN	8/7/1997	313	--	0
FSW 343-M03-12R	8/7/1997	299	--	0
FSW 343-M03-13BU	8/7/1997	297	--	0
FSW 343-M03-14BK	8/7/1997	300	--	0
FSW 343-M03-15W	8/7/1997	370	--	0
FSW 343-M01-01PT	10/30/1997	--	--	--
FSW 343-M01-02GNT	10/30/1997	51	0	0
FSW 343-M01-03RT	10/30/1997	67	0	0
FSW 343-M01-04BUT	10/30/1997	56	0	0
FSW 343-M01-05BKT	10/30/1997	19	0	0
FSW 343-M01-06WT	10/30/1997	18	0	0
FSW 343-M01-07O	10/30/1997	19	0	0
FSW 343-M01-08GY	10/30/1997	18	0	0
FSW 343-M01-09Y	10/30/1997	16	0	0
FSW 343-M01-10P	10/30/1997	15	0	0
FSW 343-M02-01PT	10/30/1997	--	--	--
FSW 343-M02-02GNT	10/30/1997	--	--	--
FSW 343-M02-03RT	10/30/1997	229	0	0
FSW 343-M02-04BUT	10/30/1997	152	0	0
FSW 343-M02-05BKT	10/30/1997	132	0	0
FSW 343-M02-06WT	10/30/1997	145	0	0
FSW 343-M02-07O	10/30/1997	173	0	0
FSW 343-M02-08GY	10/30/1997	188	0	0
FSW 343-M02-09Y	10/30/1997	186	0	0
FSW 343-M02-10P	10/30/1997	173	0	1
FSW 343-M02-11GN	10/30/1997	139	0	1
FSW 343-M02-12R	10/30/1997	103	0	1
FSW 343-M02-13BU	10/30/1997	53	0	0
FSW 343-M02-14BK	10/30/1997	42	0	0
FSW 343-M02-15W	10/30/1997	55	0	0

Table 8. Concentrations of dissolved organic carbon, dissolved inorganic carbon, and ultraviolet/visible absorbance for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Carbon, organic, dissolved, total (µM)	Carbon, inorganic, dissolved, total (mM)	Absorbance, filtered sample, 254-nm wavelength
FSW 343-M03-01PT (1-19)	10/30/1997	30	0	0
FSW 343-M03-02GNT (1-19)	10/30/1997	31	0	0
FSW 343-M03-03RT (1-19)	10/30/1997	41	0	0
FSW 343-M03-04BUT (1-19)	10/30/1997	76	0	0
FSW 343-M03-05BKT (1-19)	10/30/1997	141	0	0
FSW 343-M03-06WT (1-19)	10/30/1997	194	0	0
FSW 343-M03-07O (1-19)	10/30/1997	343	0	0
FSW 343-M03-08GY (1-19)	10/30/1997	295	0	0
FSW 343-M03-09Y (1-19)	10/30/1997	308	0	0
FSW 343-M03-10P (1-19)	10/30/1997	324	0	0
FSW 343-M03-11GN (1-19)	10/30/1997	306	0	0
FSW 343-M03-12R (1-19)	10/30/1997	295	0	0
FSW 343-M03-13BU (1-19)	10/30/1997	--	--	--
FSW 343-M03-14BK (1-19)	10/30/1997	294	0	0
FSW 343-M03-15W (1-19)	10/30/1997	292	0	0
FSW 343-M01-01PT	6/2/1998	--	--	--
FSW 343-M01-02GNT	6/2/1998	70	0	0
FSW 343-M01-03RT	6/2/1998	58	--	0
FSW 343-M01-04BUT	6/2/1998	66	--	0
FSW 343-M01-05BKT	6/2/1998	21	--	0
FSW 343-M01-06WT	6/2/1998	20	--	0
FSW 343-M01-07O	6/2/1998	20	--	0
FSW 343-M01-08GY	6/2/1998	19	--	0
FSW 343-M01-09Y	6/2/1998	18	--	0
FSW 343-M01-10P	6/2/1998	17	--	0
FSW 343-M01-11GN	6/2/1998	--	--	--
FSW 343-M01-12R	6/2/1998	--	--	--
FSW 343-M01-13BU	6/2/1998	--	--	--
FSW 343-M01-14BK	6/2/1998	17	--	0
FSW 343-M01-15W	6/2/1998	19	--	0
FSW 343-M02-01PT	6/2/1998	--	--	--
FSW 343-M02-02GNT	6/2/1998	--	--	--
FSW 343-M02-03RT	6/2/1998	127	2	0
FSW 343-M02-04BUT	6/2/1998	134	2	0
FSW 343-M02-05BKT	6/2/1998	152	1	0
FSW 343-M02-06WT	6/2/1998	121	1	0

Table 8. Concentrations of dissolved organic carbon, dissolved inorganic carbon, and ultraviolet/visible absorbance for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Carbon, organic, dissolved, total (µM)	Carbon, inorganic, dissolved, total (mM)	Absorbance, filtered sample, 254-nm wavelength
FSW 343-M02-07O	6/2/1998	143	2	0
FSW 343-M02-08GY	6/2/1998	90	1	0
FSW 343-M02-09Y	6/2/1998	95	--	0
FSW 343-M02-10P	6/2/1998	110	1	0
FSW 343-M02-11GN	6/2/1998	83	--	0
FSW 343-M02-12R	6/2/1998	56	0	0
FSW 343-M02-13BU	6/2/1998	44	0	0
FSW 343-M02-14BK	6/2/1998	41	--	0
FSW 343-M02-15W	6/2/1998	53	0	0
FSW 343-M03-01PT (1-19)	6/2/1998	29	0	0
FSW 343-M03-02GNT (1-19)	6/2/1998	27	0	0
FSW 343-M03-03RT (1-19)	6/2/1998	34	--	0
FSW 343-M03-04BUT (1-19)	6/2/1998	62	--	0
FSW 343-M03-05BKT (1-19)	6/2/1998	132	0	0
FSW 343-M03-06WT (1-19)	6/2/1998	171	0	0
FSW 343-M03-07O (1-19)	6/2/1998	219	1	0
FSW 343-M03-08GY (1-19)	6/2/1998	238	1	0
FSW 343-M03-09Y (1-19)	6/2/1998	266	1	0
FSW 343-M03-10P (1-19)	6/2/1998	267	1	0
FSW 343-M03-11GN (1-19)	6/2/1998	253	1	0
FSW 343-M03-12R (1-19)	6/2/1998	255	1	0
FSW 343-M03-13BU (1-19)	6/2/1998	268	1	0
FSW 343-M03-14BK (1-19)	6/2/1998	240	1	0
FSW 343-M03-15W (1-19)	6/2/1998	232	1	0
FSW 343-M01-01PT	11/10/1998	--	--	--
FSW 343-M01-02GNT	11/10/1998	41	--	0
FSW 343-M01-03RT	11/10/1998	40	--	0
FSW 343-M01-04BUT	11/10/1998	33	--	0
FSW 343-M01-05BKT	11/10/1998	19	--	0
FSW 343-M01-06WT	11/10/1998	17	--	0
FSW 343-M01-07O	11/10/1998	16	--	0
FSW 343-M01-08GY	11/10/1998	19	--	0
FSW 343-M01-09Y	11/10/1998	21	--	0
FSW 343-M01-10P	11/10/1998	21	--	0
		--	--	--
FSW 343-M02-01PT	11/10/1998	--	--	--

Table 8. Concentrations of dissolved organic carbon, dissolved inorganic carbon, and ultraviolet/visible absorbance for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Source of data: Richard L. Smith, Larry B. Barber, and Deborah A. Repert, U.S. Geological Survey, National Research Program, Boulder, CO. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; µM, micromoles per liter; mM, millimoles per liter; nm, nanometer; --, no data]

Well or multilevel-sampler port	Date	Carbon, organic, dissolved, total (µM)	Carbon, inorganic, dissolved, total (mM)	Absorbance, filtered sample, 254-nm wavelength
FSW 343-M02-02GNT	11/10/1998	--	--	--
FSW 343-M02-03RT	11/10/1998	137	--	0
FSW 343-M02-04BUT	11/10/1998	127	--	0
FSW 343-M02-05BKT	11/10/1998	111	--	0
FSW 343-M02-06WT	11/10/1998	108	--	0
FSW 343-M02-07O	11/10/1998	107	--	0
FSW 343-M02-08GY	11/10/1998	93	--	0
FSW 343-M02-09Y	11/10/1998	73	--	0
FSW 343-M02-10P	11/10/1998	63	--	0
FSW 343-M02-11GN	11/10/1998	50	--	0
FSW 343-M02-12R	11/10/1998	48	--	0
FSW 343-M02-13BU	11/10/1998	72	--	0
FSW 343-M02-14BK	11/10/1998	41	--	0
FSW 343-M02-15W	11/10/1998	47	--	0
FSW 343-M03-01PT	11/10/1998	35	--	0
FSW 343-M03-02GNT	11/10/1998	39	--	0
FSW 343-M03-03RT	11/10/1998	57	--	0
FSW 343-M03-04BUT	11/10/1998	108	--	0
FSW 343-M03-05BKT	11/10/1998	165	--	0
FSW 343-M03-06WT	11/10/1998	215	--	0
FSW 343-M03-07O	11/10/1998	264	--	0
FSW 343-M03-08GY	11/10/1998	291	--	0
FSW 343-M03-09Y	11/10/1998	273	--	0
FSW 343-M03-10P	11/10/1998	256	--	0
FSW 343-M03-11GN	11/10/1998	230	--	0
FSW 343-M03-12R	11/10/1998	208	--	0
FSW 343-M03-13BU	11/10/1998	192	--	0
FSW 343-M03-14BK	11/10/1998	185	--	0
FSW 343-M03-15W	11/10/1998	173	--	0
FSW 343-M01-01PT	6/8/1999	--	--	--
FSW 343-M01-02GNT	6/8/1999	43	--	0
FSW 343-M01-03RT	6/8/1999	26	--	0
FSW 343-M01-04BUT	6/8/1999	22	--	0
FSW 343-M01-05BKT	6/8/1999	17	--	0
FSW 343-M01-06WT	6/8/1999	15	--	0
FSW 343-M01-07O	6/8/1999	18	--	0

Table 8. Concentrations of dissolved organic carbon, dissolved inorganic carbon, and ultraviolet/visible absorbance for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Source of data: Richard L. Smith, Larry B. Barber, and Deborah A. Repert, U.S. Geological Survey, National Research Program, Boulder, CO. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; µM, micromoles per liter; mM, millimoles per liter; nm, nanometer; --, no data]

Well or multilevel-sampler port	Date	Carbon, organic, dissolved, total (µM)	Carbon, inorganic, dissolved, total (mM)	Absorbance, filtered sample, 254-nm wavelength
FSW 343-M01-08GY	6/8/1999	16	--	0
FSW 343-M01-09Y	6/8/1999	16	--	0
FSW 343-M01-10P	6/8/1999	14	--	0
FSW 343-M02-01PT	6/8/1999	--	--	--
FSW 343-M02-02GNT	6/8/1999	--	--	--
FSW 343-M02-03RT	6/8/1999	173	--	0
FSW 343-M02-04BUT	6/8/1999	119	--	0
FSW 343-M02-05BKT	6/8/1999	118	--	0
FSW 343-M02-06WT	6/8/1999	103	--	0
FSW 343-M02-07O	6/8/1999	71	--	0
FSW 343-M02-08GY	6/8/1999	74	--	0
FSW 343-M02-09Y	6/8/1999	71	--	0
FSW 343-M02-10P	6/8/1999	41	--	0
FSW 343-M02-11GN	6/8/1999	62	--	1
FSW 343-M02-12R	6/8/1999	58	--	0
FSW 343-M02-13BU	6/8/1999	59	--	0
FSW 343-M02-14BK	6/8/1999	45	--	0
FSW 343-M02-15W	6/8/1999	42	--	0
FSW 343-M03-01PT	6/8/1999	29	--	0
FSW 343-M03-02GNT	6/8/1999	32	--	0
FSW 343-M03-03RT	6/8/1999	92	--	0
FSW 343-M03-04BUT	6/8/1999	--	--	--
FSW 343-M03-05BKT	6/8/1999	214	--	0
FSW 343-M03-06WT	6/8/1999	248	--	0
FSW 343-M03-07O	6/8/1999	272	--	0
FSW 343-M03-08GY	6/8/1999	238	--	0
FSW 343-M03-09Y	6/8/1999	188	--	0
FSW 343-M03-10P	6/8/1999	167	--	0
FSW 343-M03-11GN	6/8/1999	148	--	0
FSW 343-M03-12R	6/8/1999	152	--	0
FSW 343-M03-13BU	6/8/1999	--	--	--
FSW 343-M03-14BK	6/8/1999	184	--	0
FSW 343-M03-15W	6/8/1999	225	--	0
FSW 343-M01-01PT	6/13/2000	--	--	--
FSW 343-M01-02GNT	6/13/2000	30	--	0

Table 8. Concentrations of dissolved organic carbon, dissolved inorganic carbon, and ultraviolet/visible absorbance for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Source of data: Richard L. Smith, Larry B. Barber, and Deborah A. Repert, U.S. Geological Survey, National Research Program, Boulder, CO. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; µM, micromoles per liter; mM, millimoles per liter; nm, nanometer; --, no data]

Well or multilevel-sampler port	Date	Carbon, organic, dissolved, total (µM)	Carbon, inorganic, dissolved, total (mM)	Absorbance, filtered sample, 254-nm wavelength
FSW 343-M01-03RT	6/13/2000	31	--	0
FSW 343-M01-04BUT	6/13/2000	27	--	0
FSW 343-M01-05BKT	6/13/2000	99	--	0
FSW 343-M01-06WT	6/13/2000	19	--	0
FSW 343-M01-07O	6/13/2000	66	--	0
FSW 343-M01-08GY	6/13/2000	22	--	0
FSW 343-M01-09Y	6/13/2000	15	--	0
FSW 343-M01-10P	6/13/2000	15	--	0
FSW 343-M02-01PT	6/14/2000	--	--	--
FSW 343-M02-02GNT	6/14/2000	--	--	--
FSW 343-M02-03RT	6/14/2000	122	--	0
FSW 343-M02-04BUT	6/14/2000	133	--	0
FSW 343-M02-05BKT	6/14/2000	161	--	0
FSW 343-M02-06WT	6/14/2000	--	--	--
FSW 343-M02-07O	6/13/2000	123	--	0
FSW 343-M02-08GY	6/13/2000	134	--	0
FSW 343-M02-09Y	6/13/2000	150	--	0
FSW 343-M02-10P	6/13/2000	142	--	0
FSW 343-M02-11GN	6/13/2000	134	--	0
FSW 343-M02-12R	6/13/2000	115	--	0
FSW 343-M02-13BU	6/13/2000	34	--	0
FSW 343-M02-14BK	6/13/2000	33	--	0
FSW 343-M02-15W	6/13/2000	34	--	0
FSW 343-M03-01PT (1-19)	6/14/2000	--	--	--
FSW 343-M03-02GNT (1-19)	6/14/2000	40	--	0
FSW 343-M03-03RT (1-19)	6/14/2000	52	--	0
FSW 343-M03-04BUT (1-19)	6/14/2000	--	--	--
FSW 343-M03-05BKT (1-19)	6/14/2000	212	--	0
FSW 343-M03-06WT (1-19)	6/14/2000	--	--	--
FSW 343-M03-07O (1-19)	6/14/2000	270	--	0
FSW 343-M03-08GY (1-19)	6/14/2000	198	--	0
FSW 343-M03-09Y (1-19)	6/14/2000	138	--	0
FSW 343-M03-10P (1-19)	6/14/2000	125	--	0
FSW 343-M03-11GN (1-19)	6/14/2000	152	--	0
FSW 343-M03-12R (1-19)	6/14/2000	113	--	0
FSW 343-M03-13BU (1-19)	6/14/2000	108	--	0

Table 8. Concentrations of dissolved organic carbon, dissolved inorganic carbon, and ultraviolet/visible absorbance for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Source of data: Richard L. Smith, Larry B. Barber, and Deborah A. Repert, U.S. Geological Survey, National Research Program, Boulder, CO. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; µM, micromoles per liter; mM, millimoles per liter; nm, nanometer; --, no data]

Well or multilevel-sampler port	Date	Carbon, organic, dissolved, total (µM)	Carbon, inorganic, dissolved, total (mM)	Absorbance, filtered sample, 254-nm wavelength
FSW 343-M03-14BK (1-19)	6/14/2000	--	--	--
FSW 343-M03-15W (1-19)	6/14/2000	112	--	0
FSW 343-M01-01PT	6/18/2002	--	--	--
FSW 343-M01-02GNT	6/18/2002	--	--	--
FSW 343-M01-03RT	6/18/2002	--	--	--
FSW 343-M01-04BUT	6/18/2002	30	--	0
FSW 343-M01-05BKT	6/18/2002	22	--	0
FSW 343-M01-06WT	6/18/2002	16	--	0
FSW 343-M01-07O	6/18/2002	18	--	0
FSW 343-M01-08GY	6/18/2002	29	--	0
FSW 343-M01-09Y	6/18/2002	30	--	0
FSW 343-M01-10P	6/18/2002	15	--	0
FSW 343-M02-01PT	6/18/2002	--	--	--
FSW 343-M02-02GNT	6/18/2002	--	--	--
FSW 343-M02-03RT	6/18/2002	139	--	0
FSW 343-M02-04BUT	6/18/2002	184	--	0
FSW 343-M02-05BKT	6/18/2002	215	--	0
FSW 343-M02-06WT	6/18/2002	238	--	0
FSW 343-M02-07O	6/18/2002	178	--	0
FSW 343-M02-08GY	6/18/2002	216	--	0
FSW 343-M02-09Y	6/18/2002	--	--	--
FSW 343-M02-10P	6/18/2002	133	--	0
FSW 343-M02-11GN	6/18/2002	88	--	0
FSW 343-M02-12R	6/18/2002	48	--	0
FSW 343-M02-13BU	6/18/2002	30	--	0
FSW 343-M02-14BK	6/18/2002	49	--	0
FSW 343-M02-15W	6/18/2002	25	--	0
FSW 343-M03-01PT (1-19)	6/18/2002	--	--	--
FSW 343-M03-02GNT (1-19)	6/18/2002	--	--	--
FSW 343-M03-03RT (1-19)	6/18/2002	62	--	0
FSW 343-M03-04BUT (1-19)	6/18/2002	96	--	0
FSW 343-M03-05BKT (1-19)	6/18/2002	173	--	0
FSW 343-M03-06WT (1-19)	6/18/2002	193	--	0
FSW 343-M03-06WT (1-19)-D	6/18/2002	212	--	0
FSW 343-M03-07O (1-19)	6/18/2002	227	--	--

Table 8. Concentrations of dissolved organic carbon, dissolved inorganic carbon, and ultraviolet/visible absorbance for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Source of data: Richard L. Smith, Larry B. Barber, and Deborah A. Repert, U.S. Geological Survey, National Research Program, Boulder, CO. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; µM, micromoles per liter; mM, millimoles per liter; nm, nanometer; --, no data]

Well or multilevel-sampler port	Date	Carbon, organic, dissolved, total (µM)	Carbon, inorganic, dissolved, total (mM)	Absorbance, filtered sample, 254-nm wavelength
FSW 343-M03-08GY (1-19)	6/18/2002	233	--	--
FSW 343-M03-08GY (1-19)	6/18/2002	226	--	--
FSW 343-M03-09Y (1-19)	6/18/2002	211	--	--
FSW 343-M03-10P (1-19)	6/18/2002	163	--	0
FSW 343-M03-12R (1-19)	6/18/2002	153	--	--
FSW 343-M03-13BU (1-19)	6/18/2002	138	--	0
FSW 343-M03-14BK (1-19)	6/18/2002	133	--	0
FSW 343-M03-15W (1-19)	6/18/2002	133	--	0
FSW 343-M01-01PT	8/24/2004	31	--	--
FSW 343-M01-02GNT	8/24/2004	26	--	--
FSW 343-M01-03RT	8/24/2004	26	--	--
FSW 343-M01-04BUT	8/24/2004	--	--	--
FSW 343-M01-05BKT	8/24/2004	28	--	--
FSW 343-M01-05BKT-D	8/24/2004	33	--	--
FSW 343-M01-06WT	8/24/2004	20	--	--
FSW 343-M01-07O	8/24/2004	20	--	--
FSW 343-M01-08GY	8/24/2004	18	--	--
FSW 343-M01-09Y	8/24/2004	27	--	--
FSW 343-M01-10P	8/24/2004	22	--	--
FSW 343-M01-11GN	8/24/2004	19	--	--
FSW 343-M01-12R	8/24/2004	17	--	--
FSW 343-M01-13BU	8/24/2004	29	--	--
FSW 343-M01-13BU-D	8/24/2004	26	--	--
FSW 343-M01-14BK	8/24/2004	28	--	--
FSW 343-M01-15W	8/24/2004	20	--	--
FSW 343-M02-01PT	8/23/2004	222	--	--
FSW 343-M02-02GNT	8/23/2004	121	--	--
FSW 343-M02-03RT	8/23/2004	96	--	--
FSW 343-M02-04BUT	8/23/2004	86	--	--
FSW 343-M02-05BKT	8/23/2004	86	--	--
FSW 343-M02-05BKT-D	8/23/2004	85	--	--
FSW 343-M02-06WT	8/23/2004	78	--	--
FSW 343-M02-07O	8/23/2004	81	--	--
FSW 343-M02-08GY	8/23/2004	76	--	--
FSW 343-M02-09Y	8/23/2004	57	--	--
FSW 343-M02-10P	8/23/2004	53	--	--

Table 8. Concentrations of dissolved organic carbon, dissolved inorganic carbon, and ultraviolet/visible absorbance for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Carbon, organic, dissolved, total (µM)	Carbon, inorganic, dissolved, total (mM)	Absorbance, filtered sample, 254-nm wavelength
FSW 343-M02-11GN	8/23/2004	48	--	--
FSW 343-M02-12R	8/23/2004	49	--	--
FSW 343-M02-13BU	8/23/2004	--	--	--
FSW 343-M02-14BK	8/23/2004	41	--	--
FSW 343-M02-15W	8/23/2004	33	--	--
FSW 343-M03-01PT	8/24/2004	38	--	--
FSW 343-M03-02GNT	8/24/2004	38	--	--
FSW 343-M03-03RT	8/24/2004	44	--	--
FSW 343-M03-04BUT	8/24/2004	102	--	--
FSW 343-M03-05BKT	8/24/2004	157	--	--
FSW 343-M03-06WT	8/24/2004	189	--	--
FSW 343-M03-06WT-D	8/24/2004	188	--	--
FSW 343-M03-07O	8/24/2004	232	--	--
FSW 343-M03-08GY	8/24/2004	285	--	--
FSW 343-M03-09Y	8/24/2004	288	--	--
FSW 343-M03-10P	8/24/2004	287	--	--
FSW 343-M03-11GN	8/24/2004	259	--	--
FSW 343-M03-12R	8/24/2004	204	--	--
FSW 343-M03-13BU	8/24/2004	157	--	--
FSW 343-M03-14BK	8/24/2004	127	--	--
FSW 343-M03-15W	8/24/2004	113	--	--
FSW 424-M01-01PT	12/1/1994	175	1	0
FSW 424-M01-02GNT	12/1/1994	192	1	--
FSW 424-M01-03RT	12/1/1994	183	2	0
FSW 424-M01-04BUT	12/1/1994	200	2	0
FSW 424-M01-05BKT	12/1/1994	200	2	0
FSW 424-M01-06WT	12/1/1994	167	1	0
FSW 424-M01-07O	12/1/1994	117	2	0
FSW 424-M01-08GY	12/1/1994	125	1	--
FSW 424-M01-09Y	12/1/1994	83	1	0
FSW 424-M01-10P	12/1/1994	67	1	0
FSW 424-M01-11GN	12/1/1994	42	1	0
FSW 424-M01-12R	12/1/1994	25	0	0
FSW 424-M01-13BU	12/1/1994	17	0	0
FSW 424-M01-13BU-D	12/1/1994	17	0	0
FSW 424-M01-14BK	12/1/1994	8	0	0

Table 8. Concentrations of dissolved organic carbon, dissolved inorganic carbon, and ultraviolet/visible absorbance for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Carbon, organic, dissolved, total (µM)	Carbon, inorganic, dissolved, total (mM)	Absorbance, filtered sample, 254-nm wavelength
FSW 424-M01-15W	12/1/1994	8	0	0
FSW 424-M02-01PT (72-13)	12/2/1994	17	0	0
FSW 424-M02-02GNT (72-13)	12/2/1994	8	0	--
FSW 424-M02-03RT (72-13)	12/2/1994	8	0	0
FSW 424-M02-04BUT (72-13)	12/2/1994	8	0	0
FSW 424-M02-05BKT (72-13)	12/2/1994	17	0	0
FSW 424-M02-06WT (72-13)	12/2/1994	25	0	0
FSW 424-M02-07O (72-13)	12/2/1994	67	0	0
FSW 424-M02-08GY (72-13)	12/2/1994	100	0	--
FSW 424-M02-09Y (72-13)	12/2/1994	150	1	0
FSW 424-M02-10P (72-13)	12/2/1994	167	1	0
FSW 424-M02-11GN (72-13)	12/2/1994	175	1	0
FSW 424-M02-12R (72-13)	12/2/1994	208	1	0
FSW 424-M02-13BU (72-13)	12/2/1994	208	1	0
FSW 424-M02-14BK (72-13)	12/2/1994	183	1	0
FSW 424-M02-14BK (72-13)-D	12/2/1994	183	1	0
FSW 424-M02-15W (72-13)	12/2/1994	158	1	0
FSW 424-M01-01PT	7/9/1996	148	1	--
FSW 424-M01-02GNT	7/9/1996	134	1	--
FSW 424-M01-03RT	7/9/1996	118	1	--
FSW 424-M01-04BUT	7/9/1996	106	1	--
FSW 424-M01-05BKT	7/9/1996	80	1	--
FSW 424-M01-06WT	7/9/1996	81	1	--
FSW 424-M01-07O	7/9/1996	78	1	--
FSW 424-M01-08GY	7/9/1996	60	1	--
FSW 424-M01-09Y	7/9/1996	45	0	--
FSW 424-M01-10P	7/9/1996	27	0	--
FSW 424-M01-11GN	7/9/1996	18	0	--
FSW 424-M01-12R	7/9/1996	17	0	--
FSW 424-M01-13BU	7/9/1996	8	0	--
FSW 424-M01-14BK	7/9/1996	0	0	--
FSW 424-M01-15W	7/9/1996	0	0	--
FSW 424-M02-01PT (72-13)	7/10/1996	40	0	--
FSW 424-M02-02GNT (72-13)	7/10/1996	44	0	--
FSW 424-M02-03RT (72-13)	7/10/1996	27	0	--

Table 8. Concentrations of dissolved organic carbon, dissolved inorganic carbon, and ultraviolet/visible absorbance for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Carbon, organic, dissolved, total (µM)	Carbon, inorganic, dissolved, total (mM)	Absorbance, filtered sample, 254-nm wavelength
FSW 424-M02-04BUT (72-13)	7/10/1996	24	0	--
FSW 424-M02-05BKT (72-13)	7/10/1996	23	0	--
FSW 424-M02-06WT (72-13)	7/10/1996	38	0	--
FSW 424-M02-07O (72-13)	7/10/1996	65	0	--
FSW 424-M02-08GY (72-13)	7/10/1996	92	0	--
FSW 424-M02-09Y (72-13)	7/10/1996	113	0	--
FSW 424-M02-10P (72-13)	7/10/1996	142	1	--
FSW 424-M02-11GN (72-13)	7/10/1996	164	1	--
FSW 424-M02-12R (72-13)	7/10/1996	158	1	--
FSW 424-M02-13BU (72-13)	7/10/1996	176	1	--
FSW 424-M02-14BK (72-13)	7/10/1996	183	1	--
FSW 424-M02-15W (72-13)	7/10/1996	186	1	--
FSW 424-M01-01PT	6/11/1997	234	2	0
FSW 424-M01-02GNT	6/11/1997	242	2	0
FSW 424-M01-03RT	6/11/1997	183	2	0
FSW 424-M01-04BUT	6/11/1997	170	2	0
FSW 424-M01-05BKT	6/11/1997	106	1	0
FSW 424-M01-06WT	6/11/1997	98	1	0
FSW 424-M01-07O	6/11/1997	97	1	0
FSW 424-M01-08GY	6/11/1997	103	1	0
FSW 424-M01-09Y	6/11/1997	98	1	0
FSW 424-M01-10P	6/11/1997	82	1	0
FSW 424-M01-11GN	6/11/1997	83	0	0
FSW 424-M01-12R	6/11/1997	78	0	0
FSW 424-M01-13BU	6/11/1997	66	0	0
FSW 424-M01-14BK	6/11/1997	106	0	0
FSW 424-M01-15W	6/11/1997	88	0	0
FSW 424-M02-01PT (72-13)	6/11/1997	54	0	0
FSW 424-M02-02GNT (72-13)	6/11/1997	53	1	0
FSW 424-M02-03RT (72-13)	6/11/1997	43	0	0
FSW 424-M02-04BUT (72-13)	6/11/1997	35	0	0
FSW 424-M02-05BKT (72-13)	6/11/1997	30	0	0
FSW 424-M02-06WT (72-13)	6/11/1997	35	0	0
FSW 424-M02-07O (72-13)	6/11/1997	63	0	0
FSW 424-M02-08GY (72-13)	6/11/1997	92	1	0
FSW 424-M02-09Y (72-13)	6/11/1997	133	1	0

Table 8. Concentrations of dissolved organic carbon, dissolved inorganic carbon, and ultraviolet/visible absorbance for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Source of data: Richard L. Smith, Larry B. Barber, and Deborah A. Repert, U.S. Geological Survey, National Research Program, Boulder, CO. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; µM, micromoles per liter; mM, millimoles per liter; nm, nanometer; --, no data]

Well or multilevel-sampler port	Date	Carbon, organic, dissolved, total (µM)	Carbon, inorganic, dissolved, total (mM)	Absorbance, filtered sample, 254-nm wavelength
FSW 424-M02-10P (72-13)	6/11/1997	188	2	0
FSW 424-M02-11GN (72-13)	6/11/1997	207	2	0
FSW 424-M02-12R (72-13)	6/11/1997	214	2	0
FSW 424-M02-13BU (72-13)	6/11/1997	217	2	0
FSW 424-M02-14BK (72-13)	6/11/1997	210	2	0
FSW 424-M02-15W (72-13)	6/11/1997	207	2	0
FSW 424-M01-01PT	6/10/1998	208	1	0
FSW 424-M01-02GNT	6/10/1998	192	2	0
FSW 424-M01-03RT	6/10/1998	213	2	0
FSW 424-M01-04BUT	6/10/1998	203	1	0
FSW 424-M01-05BKT	6/10/1998	202	2	0
FSW 424-M01-06WT	6/10/1998	137	1	0
FSW 424-M01-07O	6/10/1998	110	1	0
FSW 424-M01-08GY	6/10/1998	103	--	0
FSW 424-M01-09Y	6/10/1998	75	--	0
FSW 424-M01-10P	6/10/1998	50	--	0
FSW 424-M01-11GN	6/10/1998	45	--	0
FSW 424-M01-12R	6/10/1998	95	--	0
FSW 424-M01-13BU	6/10/1998	28	--	0
FSW 424-M01-14BK	6/10/1998	21	--	0
FSW 424-M01-15W	6/10/1998	28	--	0
FSW 424-M01-15W-D	6/10/1998	--	--	--
FSW 424-M02-01PT (72-13)	6/10/1998	38	--	0
FSW 424-M02-02GNT (72-13)	6/10/1998	29	--	0
FSW 424-M02-03RT (72-13)	6/10/1998	--	0	--
FSW 424-M02-04BUT (72-13)	6/10/1998	38	0	0
FSW 424-M02-05BKT (72-13)	6/10/1998	21	--	0
FSW 424-M02-06WT (72-13)	6/10/1998	29	--	0
FSW 424-M02-07O (72-13)	6/10/1998	54	--	0
FSW 424-M02-08GY (72-13)	6/10/1998	98	--	0
FSW 424-M02-09Y (72-13)	6/10/1998	127	--	0
FSW 424-M02-10P (72-13)	6/10/1998	176	--	0
FSW 424-M02-11GN (72-13)	6/10/1998	191	1	0
FSW 424-M02-12R (72-13)	6/10/1998	279	1	0
FSW 424-M02-13BU (72-13)	6/10/1998	209	1	0
FSW 424-M02-14BK (72-13)	6/10/1998	210	1	0

Table 8. Concentrations of dissolved organic carbon, dissolved inorganic carbon, and ultraviolet/visible absorbance for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Source of data: Richard L. Smith, Larry B. Barber, and Deborah A. Repert, U.S. Geological Survey, National Research Program, Boulder, CO. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; µM, micromoles per liter; mM, millimoles per liter; nm, nanometer; --, no data]

Well or multilevel-sampler port	Date	Carbon, organic, dissolved, total (µM)	Carbon, inorganic, dissolved, total (mM)	Absorbance, filtered sample, 254-nm wavelength
FSW 424-M02-15W (72-13)	6/10/1998	308	1	0
FSW 424-M01-01PT	6/29/1999	214	--	0
FSW 424-M01-02GNT	6/29/1999	204	--	0
FSW 424-M01-03RT	6/29/1999	219	--	0
FSW 424-M01-04BUT	6/29/1999	173	--	0
FSW 424-M01-05BKT	6/29/1999	192	--	0
FSW 424-M01-06WT	6/29/1999	177	--	0
FSW 424-M01-07O	6/29/1999	134	--	0
FSW 424-M01-08GY	6/29/1999	99	--	0
FSW 424-M01-09Y	6/29/1999	65	--	0
FSW 424-M01-10P	6/29/1999	40	--	0
FSW 424-M01-11GN	6/29/1999	27	--	0
FSW 424-M01-12R	6/29/1999	23	--	0
FSW 424-M01-13BU	6/29/1999	22	--	0
FSW 424-M01-14BK	6/29/1999	18	--	0
FSW 424-M01-15W	6/29/1999	21	--	0
FSW 424-M02-01PT (72-13)	6/29/1999	32	--	0
FSW 424-M02-02GNT (72-13)	6/29/1999	24	--	0
FSW 424-M02-03RT (72-13)	6/29/1999	27	--	0
FSW 424-M02-04BUT (72-13)	6/29/1999	26	--	0
FSW 424-M02-05BKT (72-13)	6/29/1999	23	--	0
FSW 424-M02-06WT (72-13)	6/29/1999	33	--	0
FSW 424-M02-07O (72-13)	6/29/1999	72	--	0
FSW 424-M02-08GY (72-13)	6/29/1999	105	--	0
FSW 424-M02-09Y (72-13)	6/29/1999	189	--	0
FSW 424-M02-10P (72-13)	6/29/1999	178	--	0
FSW 424-M02-11GN (72-13)	6/29/1999	181	--	0
FSW 424-M02-12R (72-13)	6/29/1999	168	--	0
FSW 424-M02-13BU (72-13)	6/29/1999	160	--	0
FSW 424-M02-14BK (72-13)	6/29/1999	188	--	0
FSW 424-M02-15W (72-13)	6/29/1999	218	--	0
FSW 424-M01-01PT	6/5/2000	143	--	0
FSW 424-M01-02GNT	6/5/2000	162	--	0
FSW 424-M01-03RT	6/5/2000	123	--	0
FSW 424-M01-04BUT	6/5/2000	100	--	0

Table 8. Concentrations of dissolved organic carbon, dissolved inorganic carbon, and ultraviolet/visible absorbance for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Source of data: Richard L. Smith, Larry B. Barber, and Deborah A. Repert, U.S. Geological Survey, National Research Program, Boulder, CO. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; µM, micromoles per liter; mM, millimoles per liter; nm, nanometer; --, no data]

Well or multilevel-sampler port	Date	Carbon, organic, dissolved, total (µM)	Carbon, inorganic, dissolved, total (mM)	Absorbance, filtered sample, 254-nm wavelength
FSW 424-M01-05BKT	6/5/2000	102	--	0
FSW 424-M01-06WT	6/5/2000	99	--	0
FSW 424-M01-07O	6/5/2000	103	--	0
FSW 424-M01-08GY	6/5/2000	87	--	0
FSW 424-M01-09Y	6/5/2000	54	--	0
FSW 424-M01-10P	6/5/2000	33	--	0
FSW 424-M01-11GN	6/5/2000	28	--	0
FSW 424-M01-12R	6/5/2000	25	--	0
FSW 424-M01-13BU	6/5/2000	27	--	0
FSW 424-M01-14BK	6/5/2000	23	--	0
FSW 424-M01-15W	6/5/2000	25	--	0
FSW 424-M02-01PT (72-13)	6/6/2000	49	--	0
FSW 424-M02-02GNT (72-13)	6/6/2000	33	--	0
FSW 424-M02-03RT (72-13)	6/6/2000	28	--	0
FSW 424-M02-04BUT (72-13)	6/6/2000	30	--	0
FSW 424-M02-05BKT (72-13)	6/6/2000	33	--	0
FSW 424-M02-06WT (72-13)	6/6/2000	54	--	0
FSW 424-M02-07O (72-13)	6/6/2000	95	--	0
FSW 424-M02-08GY (72-13)	6/6/2000	134	--	0
FSW 424-M02-09Y (72-13)	6/6/2000	136	--	0
FSW 424-M02-10P (72-13)	6/6/2000	148	--	0
FSW 424-M02-11GN (72-13)	6/6/2000	143	--	0
FSW 424-M02-12R (72-13)	6/6/2000	--	--	0
FSW 424-M02-13BU (72-13)	6/6/2000	114	--	0
FSW 424-M02-14BK (72-13)	6/6/2000	121	--	0
FSW 424-M02-15W (72-13)	6/6/2000	122	--	0
FSW 424-M01-01PT	7/19/2001	--	--	--
FSW 424-M01-02GNT	7/19/2001	--	--	--
FSW 424-M01-03RT	7/19/2001	--	--	--
FSW 424-M01-04BUT	7/19/2001	--	--	--
FSW 424-M01-05BKT	7/19/2001	--	--	--
FSW 424-M01-06WT	7/19/2001	--	--	--
FSW 424-M01-07O	7/19/2001	--	--	--
FSW 424-M01-08GY	7/19/2001	--	--	--
FSW 424-M01-09Y	7/19/2001	--	--	--
FSW 424-M01-10P	7/19/2001	--	--	--

Table 8. Concentrations of dissolved organic carbon, dissolved inorganic carbon, and ultraviolet/visible absorbance for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Source of data: Richard L. Smith, Larry B. Barber, and Deborah A. Repert, U.S. Geological Survey, National Research Program, Boulder, CO. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; µM, micromoles per liter; mM, millimoles per liter; nm, nanometer; --, no data]

Well or multilevel-sampler port	Date	Carbon, organic, dissolved, total (µM)	Carbon, inorganic, dissolved, total (mM)	Absorbance, filtered sample, 254-nm wavelength
FSW 424-M01-11GN	7/19/2001	--	--	--
FSW 424-M01-11GN-D	7/19/2001	--	--	--
FSW 424-M01-12R	7/19/2001	--	--	--
FSW 424-M01-13BU	7/19/2001	--	--	--
FSW 424-M01-14BK	7/19/2001	--	--	--
FSW 424-M01-15W	7/19/2001	--	--	--
FSW 424-M02-01PT (72-13)	7/19/2001	--	--	--
FSW 424-M02-02GNT (72-13)	7/19/2001	--	--	--
FSW 424-M02-03RT (72-13)	7/19/2001	--	--	--
FSW 424-M02-04BUT (72-13)	7/19/2001	--	--	--
FSW 424-M02-05BKT (72-13)	7/19/2001	--	--	--
FSW 424-M02-06WT (72-13)	7/19/2001	--	--	--
FSW 424-M02-07O (72-13)	7/19/2001	--	--	--
FSW 424-M02-07O (72-13)-D	7/19/2001	--	--	--
FSW 424-M02-08GY (72-13)	7/19/2001	--	--	--
FSW 424-M02-09Y (72-13)	7/19/2001	--	--	--
FSW 424-M02-10P (72-13)	7/19/2001	--	--	--
FSW 424-M02-11GN (72-13)	7/19/2001	--	--	--
FSW 424-M02-12R (72-13)	7/19/2001	--	--	--
FSW 424-M02-13BU (72-13)	7/19/2001	--	--	--
FSW 424-M02-14BK (72-13)	7/19/2001	--	--	--
FSW 424-M02-15W (72-13)	7/19/2001	--	--	--
FSW 424-M01-01PT	7/9/2002	112	--	0
FSW 424-M01-02GNT	7/9/2002	128	--	0
FSW 424-M01-03RT	7/9/2002	104	--	0
FSW 424-M01-04BUT	7/9/2002	81	--	0
FSW 424-M01-05BKT	7/9/2002	59	--	0
FSW 424-M01-06WT	7/9/2002	62	--	0
FSW 424-M01-07O	7/9/2002	--	--	0
FSW 424-M01-08GY	7/9/2002	46	--	0
FSW 424-M01-09Y	7/9/2002	37	--	0
FSW 424-M01-10P	7/9/2002	30	--	0
FSW 424-M01-11GN	7/9/2002	18	--	0
FSW 424-M01-12R	7/9/2002	25	--	0
FSW 424-M01-13BU	7/9/2002	25	--	0
FSW 424-M01-14BK	7/9/2002	18	--	0

Table 8. Concentrations of dissolved organic carbon, dissolved inorganic carbon, and ultraviolet/visible absorbance for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Carbon, organic, dissolved, total (µM)	Carbon, inorganic, dissolved, total (mM)	Absorbance, filtered sample, 254-nm wavelength
FSW 424-M01-15W	7/9/2002	16	--	0
FSW 424-M02-01PT (72-13)	7/9/2002	--	--	--
FSW 424-M02-02GNT (72-13)	7/9/2002	28	--	0
FSW 424-M02-03RT (72-13)	7/9/2002	26	--	0
FSW 424-M02-04BUT (72-13)	7/9/2002	26	--	0
FSW 424-M02-05BKT (72-13)	7/9/2002	36	--	0
FSW 424-M02-06WT (72-13)	7/9/2002	61	--	0
FSW 424-M02-07O (72-13)	7/9/2002	80	--	0
FSW 424-M02-08GY (72-13)	7/9/2002	88	--	0
FSW 424-M02-09Y (72-13)	7/9/2002	93	--	0
FSW 424-M02-10P (72-13)	7/9/2002	93	--	0
FSW 424-M02-11GN (72-13)	7/9/2002	91	--	0
FSW 424-M02-12R (72-13)	7/9/2002	98	--	0
FSW 424-M02-13BU (72-13)	7/9/2002	104	--	0
FSW 424-M02-14BK (72-13)	7/9/2002	106	--	0
FSW 424-M02-15W (72-13)	7/9/2002	108	--	0
FSW 424-M01-01PT	5/29/2003	--	--	--
FSW 424-M01-02GNT	5/29/2003	--	--	--
FSW 424-M01-02GNT-D	5/29/2003	--	--	--
FSW 424-M01-03RT	5/29/2003	--	--	--
FSW 424-M01-04BUT	5/29/2003	--	--	--
FSW 424-M01-05BKT	5/29/2003	--	--	--
FSW 424-M01-06WT	5/29/2003	--	--	--
FSW 424-M01-07O	5/29/2003	--	--	--
FSW 424-M01-08GY	5/29/2003	--	--	--
FSW 424-M01-09Y	5/29/2003	--	--	--
FSW 424-M01-10P	5/29/2003	--	--	--
FSW 424-M01-11GN	5/29/2003	--	--	--
FSW 424-M01-12R	5/29/2003	--	--	--
FSW 424-M01-13BU	5/29/2003	--	--	--
FSW 424-M01-13BU-D	5/29/2003	--	--	--
FSW 424-M01-14BK	5/29/2003	--	--	--
FSW 424-M01-15W	5/29/2003	--	--	--
FSW 424-M02-01PT (72-13)	5/29/2003	--	--	--
FSW 424-M02-02GNT (72-13)	5/29/2003	--	--	--

Table 8. Concentrations of dissolved organic carbon, dissolved inorganic carbon, and ultraviolet/visible absorbance for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Carbon, organic, dissolved, total (µM)	Carbon, inorganic, dissolved, total (mM)	Absorbance, filtered sample, 254-nm wavelength
FSW 424-M02-03RT (72-13)	5/29/2003	--	--	--
FSW 424-M02-04BUT (72-13)	5/29/2003	--	--	--
FSW 424-M02-05BKT (72-13)	5/29/2003	--	--	--
FSW 424-M02-06WT (72-13)	5/29/2003	--	--	--
FSW 424-M02-07O (72-13)	5/29/2003	--	--	--
FSW 424-M02-07O (72-13)-D	5/29/2003	--	--	--
FSW 424-M02-08GY (72-13)	5/29/2003	--	--	--
FSW 424-M02-09Y (72-13)	5/29/2003	--	--	--
FSW 424-M02-09Y (72-13)-D	5/29/2003	--	--	--
FSW 424-M02-10P (72-13)	5/29/2003	--	--	--
FSW 424-M02-11GN (72-13)	5/29/2003	--	--	--
FSW 424-M02-12R (72-13)	5/29/2003	--	--	--
FSW 424-M02-13BU (72-13)	5/29/2003	--	--	--
FSW 424-M02-14BK (72-13)	5/29/2003	--	--	--
FSW 424-M02-15W (72-13)	5/29/2003	--	--	--
FSW 424-M01-01PT	7/29/2004	93	--	--
FSW 424-M01-02GNT	7/29/2004	77	--	--
FSW 424-M01-03RT	7/29/2004	57	--	--
FSW 424-M01-04BUT	7/29/2004	43	--	--
FSW 424-M01-05BKT	7/29/2004	41	--	--
FSW 424-M01-06WT	7/29/2004	49	--	--
FSW 424-M01-07O	7/29/2004	43	--	--
FSW 424-M01-08GY	7/29/2004	36	--	--
FSW 424-M01-09Y	7/29/2004	35	--	--
FSW 424-M01-10P	7/29/2004	31	--	--
FSW 424-M01-11GN	7/29/2004	30	--	--
FSW 424-M01-12R	7/29/2004	30	--	--
FSW 424-M01-13BU	7/29/2004	28	--	--
FSW 424-M01-14BK	7/29/2004	28	--	--
FSW 424-M01-15W	7/29/2004	29	--	--
FSW 424-M02-01PT (72-13)	7/29/2004	51	--	--
FSW 424-M02-02GNT (72-13)	7/29/2004	41	--	--
FSW 424-M02-03RT (72-13)	7/29/2004	43	--	--
FSW 424-M02-04BUT (72-13)	7/29/2004	43	--	--
FSW 424-M02-05BKT (72-13)	7/29/2004	42	--	--
FSW 424-M02-06WT (72-13)	7/29/2004	50	--	--

Table 8. Concentrations of dissolved organic carbon, dissolved inorganic carbon, and ultraviolet/visible absorbance for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Carbon, organic, dissolved, total (µM)	Carbon, inorganic, dissolved, total (mM)	Absorbance, filtered sample, 254-nm wavelength
FSW 424-M02-07O (72-13)	7/29/2004	84	--	--
FSW 424-M02-08GY (72-13)	7/29/2004	111	--	--
FSW 424-M02-09Y (72-13)	7/29/2004	138	--	--
FSW 424-M02-10P (72-13)	7/29/2004	152	--	--
FSW 424-M02-11GN (72-13)	7/29/2004	142	--	--
FSW 424-M02-12R (72-13)	7/29/2004	141	--	--
FSW 424-M02-14BK (72-13)	7/29/2004	119	--	--
FSW 424-M02-15W (72-13)	7/29/2004	92	--	--
FSW 566-M01-01PT	12/8/1994	200	1	0
FSW 566-M01-02GNT	12/8/1994	208	1	0
FSW 566-M01-03RT	12/8/1994	--	--	--
FSW 566-M01-04BUT	12/8/1994	158	1	0
FSW 566-M01-05BKT	12/8/1994	125	1	0
FSW 566-M01-06WT	12/8/1994	108	1	0
FSW 566-M01-07O	12/8/1994	75	1	0
FSW 566-M01-08GY	12/8/1994	58	0	0
FSW 566-M01-09Y	12/8/1994	42	0	0
FSW 566-M01-10P	12/8/1994	33	0	0
FSW 566-M01-10P-D	12/8/1994	33	0	0
FSW 566-M01-11GN	12/8/1994	33	0	0
FSW 566-M01-12R	12/8/1994	17	0	0
FSW 566-M01-13BU	12/8/1994	17	0	0
FSW 566-M01-14BK	12/8/1994	17	0	0
FSW 566-M01-15W	12/8/1994	17	0	0
FSW 566-M02-01PT (65-12)	12/8/1994	17	0	0
FSW 566-M02-02GNT (65-12)	12/8/1994	17	0	0
FSW 566-M02-03RT (65-12)	12/9/1994	33	0	0
FSW 566-M02-04BUT (65-12)	12/9/1994	50	0	0
FSW 566-M02-05BKT (65-12)	12/9/1994	108	0	0
FSW 566-M02-06WT (65-12)	12/9/1994	158	1	0
FSW 566-M02-07O (65-12)	12/9/1994	183	1	0
FSW 566-M02-08GY (65-12)	12/9/1994	183	1	0
FSW 566-M02-09Y (65-12)	12/9/1994	183	1	0
FSW 566-M02-10P (65-12)	12/9/1994	183	1	0
FSW 566-M02-11GN (65-12)	12/9/1994	183	1	0
FSW 566-M02-11GN (65-12)-D	12/9/1994	183	1	0

Table 8. Concentrations of dissolved organic carbon, dissolved inorganic carbon, and ultraviolet/visible absorbance for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Source of data: Richard L. Smith, Larry B. Barber, and Deborah A. Repert, U.S. Geological Survey, National Research Program, Boulder, CO. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; µM, micromoles per liter; mM, millimoles per liter; nm, nanometer; --, no data]

Well or multilevel-sampler port	Date	Carbon, organic, dissolved, total (µM)	Carbon, inorganic, dissolved, total (mM)	Absorbance, filtered sample, 254-nm wavelength
FSW 566-M02-12R (65-12)	12/9/1994	183	1	0
FSW 566-M02-13BU (65-12)	12/9/1994	183	1	0
FSW 566-M02-14BK (65-12)	12/9/1994	167	1	0
FSW 566-M02-15W (65-12)	12/9/1994	192	1	0
FSW 566-M01-01PT	7/11/1996	148	1	--
FSW 566-M01-02GNT	7/11/1996	168	1	--
FSW 566-M01-03RT	7/11/1996	--	1	--
FSW 566-M01-04BUT	7/11/1996	194	1	--
FSW 566-M01-05BKT	7/11/1996	138	--	--
FSW 566-M01-06WT	7/11/1996	98	0	--
FSW 566-M01-07O	7/11/1996	57	0	--
FSW 566-M01-08GY	7/11/1996	34	0	--
FSW 566-M01-09Y	7/11/1996	33	0	--
FSW 566-M01-10P	7/11/1996	32	0	--
FSW 566-M01-11GN	7/11/1996	15	0	--
FSW 566-M01-12R	7/11/1996	10	0	--
FSW 566-M01-13BU	7/11/1996	9	0	--
FSW 566-M01-14BK	7/11/1996	11	0	--
FSW 566-M01-15W	7/11/1996	17	0	--
FSW 566-M02-01PT (65-12)	7/11/1996	8	0	--
FSW 566-M02-02GNT (65-12)	7/11/1996	15	0	--
FSW 566-M02-03RT (65-12)	7/11/1996	3	0	--
FSW 566-M02-04BUT (65-12)	7/11/1996	13	0	--
FSW 566-M02-05BKT (65-12)	7/11/1996	27	0	--
FSW 566-M02-06WT (65-12)	7/11/1996	63	0	--
FSW 566-M02-07O (65-12)	7/11/1996	176	1	--
FSW 566-M02-08GY (65-12)	7/11/1996	122	0	--
FSW 566-M02-09Y (65-12)	7/11/1996	170	0	--
FSW 566-M02-10P (65-12)	7/11/1996	196	1	--
FSW 566-M02-11GN (65-12)	7/11/1996	176	1	--
FSW 566-M02-12R (65-12)	7/11/1996	170	1	--
FSW 566-M02-13BU (65-12)	7/11/1996	177	1	--
FSW 566-M02-14BK (65-12)	7/11/1996	168	1	--
FSW 566-M02-15W (65-12)	7/11/1996	158	1	--
FSW 566-M01-01PT	6/5/1997	242	2	0

Table 8. Concentrations of dissolved organic carbon, dissolved inorganic carbon, and ultraviolet/visible absorbance for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Source of data: Richard L. Smith, Larry B. Barber, and Deborah A. Repert, U.S. Geological Survey, National Research Program, Boulder, CO. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; µM, micromoles per liter; mM, millimoles per liter; nm, nanometer; --, no data]

Well or multilevel-sampler port	Date	Carbon, organic, dissolved, total (µM)	Carbon, inorganic, dissolved, total (mM)	Absorbance, filtered sample, 254-nm wavelength
FSW 566-M01-02GNT	6/5/1997	831	2	0
FSW 566-M01-03RT	6/5/1997	--	--	--
FSW 566-M01-04BUT	6/5/1997	716	3	0
FSW 566-M01-05BKT	6/5/1997	408	3	0
FSW 566-M01-06WT	6/5/1997	687	3	0
FSW 566-M01-07O	6/5/1997	379	2	0
FSW 566-M01-08GY	6/5/1997	643	2	0
FSW 566-M01-09Y	6/5/1997	158	1	0
FSW 566-M01-10P	6/5/1997	202	1	0
FSW 566-M01-11GN	6/5/1997	69	0	0
FSW 566-M01-12R	6/5/1997	71	0	0
FSW 566-M01-13BU	6/5/1997	19	0	0
FSW 566-M01-14BK	6/5/1997	67	0	0
FSW 566-M01-15W	6/5/1997	25	0	0
FSW 566-M02-01PT (65-12)	6/6/1997	24	0	0
FSW 566-M02-02GNT (65-12)	6/6/1997	21	0	0
FSW 566-M02-03RT (65-12)	6/6/1997	27	0	0
FSW 566-M02-04BUT (65-12)	6/6/1997	40	0	0
FSW 566-M02-05BKT (65-12)	6/6/1997	75	0	0
FSW 566-M02-06WT (65-12)	6/6/1997	119	1	0
FSW 566-M02-07O (65-12)	6/6/1997	169	1	0
FSW 566-M02-08GY (65-12)	6/6/1997	198	1	0
FSW 566-M02-09Y (65-12)	6/6/1997	203	1	0
FSW 566-M02-10P (65-12)	6/6/1997	207	1	0
FSW 566-M02-11GN (65-12)	6/6/1997	210	1	0
FSW 566-M02-12R (65-12)	6/6/1997	206	1	0
FSW 566-M02-13BU (65-12)	6/6/1997	207	1	0
FSW 566-M02-14BK (65-12)	6/6/1997	217	2	0
FSW 566-M02-15W (65-12)	6/6/1997	226	2	0
FSW 566-M01-01PT	5/13/1998	198	1	0
FSW 566-M01-02GNT	5/13/1998	177	2	0
FSW 566-M01-03RT	5/13/1998	208	2	0
FSW 566-M01-04BUT	5/13/1998	265	2	0
FSW 566-M01-05BKT	5/13/1998	253	2	0
FSW 566-M01-06WT	5/13/1998	198	2	0
FSW 566-M01-07O	5/13/1998	154	1	0

Table 8. Concentrations of dissolved organic carbon, dissolved inorganic carbon, and ultraviolet/visible absorbance for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Source of data: Richard L. Smith, Larry B. Barber, and Deborah A. Repert, U.S. Geological Survey, National Research Program, Boulder, CO. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; µM, micromoles per liter; mM, millimoles per liter; nm, nanometer; --, no data]

Well or multilevel-sampler port	Date	Carbon, organic, dissolved, total (µM)	Carbon, inorganic, dissolved, total (mM)	Absorbance, filtered sample, 254-nm wavelength
FSW 566-M01-08GY	5/13/1998	159	--	0
FSW 566-M01-09Y	5/13/1998	121	--	0
FSW 566-M01-10P	5/13/1998	197	--	0
FSW 566-M01-11GN	5/13/1998	30	--	0
FSW 566-M01-12R	5/13/1998	33	--	0
FSW 566-M01-13BU	5/13/1998	17	--	0
FSW 566-M01-14BK	5/13/1998	16	--	0
FSW 566-M01-15W	5/13/1998	19	--	0
FSW 566-M02-01PT (65-12)	5/13/1998	13	0	0
FSW 566-M02-02GNT (65-12)	5/13/1998	19	0	0
FSW 566-M02-03RT (65-12)	5/13/1998	19	--	0
FSW 566-M02-04BUT (65-12)	5/13/1998	160	--	0
FSW 566-M02-05BKT (65-12)	5/13/1998	59	--	0
FSW 566-M02-06WT (65-12)	5/13/1998	120	--	0
FSW 566-M02-07O (65-12)	5/13/1998	158	1	0
FSW 566-M02-08GY (65-12)	5/13/1998	193	--	0
FSW 566-M02-09Y (65-12)	5/13/1998	191	1	0
FSW 566-M02-10P (65-12)	5/13/1998	194	--	0
FSW 566-M02-11GN (65-12)	5/13/1998	202	1	0
FSW 566-M02-12R (65-12)	5/13/1998	353	--	0
FSW 566-M02-13BU (65-12)	5/13/1998	216	1	0
FSW 566-M02-14BK (65-12)	5/13/1998	211	--	0
FSW 566-M02-15W (65-12)	5/13/1998	244	1	0
FSW 566-M01-01PT	6/10/1999	183	--	0
FSW 566-M01-02GNT	6/10/1999	151	--	0
FSW 566-M01-03RT	6/10/1999	138	--	0
FSW 566-M01-04BUT	6/10/1999	103	--	0
FSW 566-M01-05BKT	6/10/1999	--	--	--
FSW 566-M01-06WT	6/10/1999	96	--	0
FSW 566-M01-06WT-D	6/10/1999	71	--	0
FSW 566-M01-07O	6/10/1999	61	--	0
FSW 566-M01-08GY	6/10/1999	78	--	0
FSW 566-M01-09Y	6/10/1999	55	--	0
FSW 566-M01-10P	6/10/1999	21	--	0
FSW 566-M01-11GN	6/10/1999	--	--	--
FSW 566-M01-12R	6/10/1999	27	--	0

Table 8. Concentrations of dissolved organic carbon, dissolved inorganic carbon, and ultraviolet/visible absorbance for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Source of data: Richard L. Smith, Larry B. Barber, and Deborah A. Repert, U.S. Geological Survey, National Research Program, Boulder, CO. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; µM, micromoles per liter; mM, millimoles per liter; nm, nanometer; --, no data]

Well or multilevel-sampler port	Date	Carbon, organic, dissolved, total (µM)	Carbon, inorganic, dissolved, total (mM)	Absorbance, filtered sample, 254-nm wavelength
FSW 566-M01-13BU	6/10/1999	23	--	0
FSW 566-M01-14BK	6/10/1999	22	--	0
FSW 566-M01-15W	6/10/1999	24	--	0
FSW 566-M01-15W-D	6/10/1999	25	--	0
FSW 566-M02-01PT (65-12)	6/10/1999	17	--	0
FSW 566-M02-02GNT (65-12)	6/10/1999	24	--	0
FSW 566-M02-03RT (65-12)	6/10/1999	36	--	0
FSW 566-M02-04BUT (65-12)	6/10/1999	72	--	0
FSW 566-M02-05BKT (65-12)	6/10/1999	128	--	0
FSW 566-M02-06WT (65-12)	6/10/1999	208	--	0
FSW 566-M02-07O (65-12)	6/10/1999	196	--	0
FSW 566-M02-08GY (65-12)	6/10/1999	196	--	0
FSW 566-M02-09Y (65-12)	6/10/1999	166	--	0
FSW 566-M02-10P (65-12)	6/10/1999	148	--	0
FSW 566-M02-11GN (65-12)	6/10/1999	134	--	0
FSW 566-M02-12R (65-12)	6/10/1999	133	--	0
FSW 566-M02-13BU (65-12)	6/10/1999	143	--	0
FSW 566-M02-14BK (65-12)	6/10/1999	158	--	0
FSW 566-M02-15W (65-12)	6/10/1999	172	--	0
FSW 566-M01-01PT	6/1/2000	103	--	0
FSW 566-M01-02GNT	6/1/2000	87	--	0
FSW 566-M01-03RT	6/1/2000	68	--	0
FSW 566-M01-04BUT	6/1/2000	71	--	0
FSW 566-M01-05BKT	6/1/2000	59	--	0
FSW 566-M01-06WT	6/1/2000	54	--	0
FSW 566-M01-07O	6/1/2000	33	--	0
FSW 566-M01-08GY	6/1/2000	31	--	0
FSW 566-M01-09Y	6/1/2000	54	--	0
FSW 566-M01-10P	6/1/2000	24	--	0
FSW 566-M01-11GN	6/1/2000	21	--	0
FSW 566-M01-12R	6/1/2000	21	--	0
FSW 566-M01-13BU	6/1/2000	19	--	0
FSW 566-M01-14BK	6/1/2000	22	--	0
FSW 566-M01-15W	6/1/2000	20	--	0
FSW 566-M02-01PT (65-12)	6/1/2000	15	--	0

Table 8. Concentrations of dissolved organic carbon, dissolved inorganic carbon, and ultraviolet/visible absorbance for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Source of data: Richard L. Smith, Larry B. Barber, and Deborah A. Repert, U.S. Geological Survey, National Research Program, Boulder, CO. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; µM, micromoles per liter; mM, millimoles per liter; nm, nanometer; --, no data]

Well or multilevel-sampler port	Date	Carbon, organic, dissolved, total (µM)	Carbon, inorganic, dissolved, total (mM)	Absorbance, filtered sample, 254-nm wavelength
FSW 566-M02-02GNT (65-12)	6/1/2000	17	--	0
FSW 566-M02-03RT (65-12)	6/1/2000	23	--	0
FSW 566-M02-04BUT (65-12)	6/1/2000	49	--	0
FSW 566-M02-05BKT (65-12)	6/1/2000	97	--	0
FSW 566-M02-06WT (65-12)	6/1/2000	174	--	0
FSW 566-M02-07O (65-12)	6/1/2000	166	--	0
FSW 566-M02-08GY (65-12)	6/1/2000	130	--	0
FSW 566-M02-09Y (65-12)	6/1/2000	108	--	0
FSW 566-M02-10P (65-12)	6/1/2000	106	--	0
FSW 566-M02-11GN (65-12)	6/1/2000	98	--	0
FSW 566-M02-12R (65-12)	6/1/2000	100	--	0
FSW 566-M02-13BU (65-12)	6/1/2000	105	--	0
FSW 566-M02-14BK (65-12)	6/1/2000	108	--	0
FSW 566-M02-15W (65-12)	6/1/2000	121	--	0
FSW 566-M01-01PT	7/15/2002	93	--	0
FSW 566-M01-02GNT	7/15/2002	69	--	0
FSW 566-M01-03RT	7/15/2002	52	--	0
FSW 566-M01-04BUT	7/15/2002	63	--	0
FSW 566-M01-05BKT	7/15/2002	33	--	0
FSW 566-M01-06WT	7/15/2002	70	--	0
FSW 566-M01-07O	7/15/2002	22	--	0
FSW 566-M01-08GY	7/15/2002	21	--	0
FSW 566-M01-09Y	7/15/2002	18	--	0
FSW 566-M01-10P	7/15/2002	16	--	0
FSW 566-M01-11GN	7/15/2002	17	--	0
FSW 566-M01-12R	7/15/2002	14	--	0
FSW 566-M01-13BU	7/15/2002	12	--	0
FSW 566-M01-14BK	7/15/2002	60	--	0
FSW 566-M01-15W	7/15/2002	12	--	0
FSW 566-M02-01PT (65-12)	7/15/2002	15	--	0
FSW 566-M02-02GNT (65-12)	7/15/2002	13	--	0
FSW 566-M02-03RT (65-12)	7/15/2002	19	--	0
FSW 566-M02-04BUT (65-12)	7/15/2002	41	--	0
FSW 566-M02-05BKT (65-12)	7/15/2002	76	--	0
FSW 566-M02-06WT (65-12)	7/15/2002	136	--	0
FSW 566-M02-07O (65-12)	7/15/2002	167	--	0

Table 8. Concentrations of dissolved organic carbon, dissolved inorganic carbon, and ultraviolet/visible absorbance for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Carbon, organic, dissolved, total (µM)	Carbon, inorganic, dissolved, total (mM)	Absorbance, filtered sample, 254-nm wavelength
FSW 566-M02-08GY (65-12)	7/15/2002	148	--	0
FSW 566-M02-09Y (65-12)	7/15/2002	126	--	0
FSW 566-M02-10P (65-12)	7/15/2002	144	--	0
FSW 566-M02-11GN (65-12)	7/15/2002	161	--	0
FSW 566-M02-12R (65-12)	7/15/2002	213	--	0
FSW 566-M02-13BU (65-12)	7/15/2002	189	--	0
FSW 566-M02-14BK (65-12)	7/15/2002	202	--	0
FSW 566-M02-15W (65-12)	7/15/2002	200	--	0
FSW 566-M01-01PT	8/17/2004	84	--	--
FSW 566-M01-02GNT	8/17/2004	95	--	--
FSW 566-M01-03RT	8/17/2004	57	--	--
FSW 566-M01-04BUT	8/17/2004	54	--	--
FSW 566-M01-05BKT	8/17/2004	50	--	--
FSW 566-M01-06WT	8/17/2004	35	--	--
FSW 566-M01-07O	8/17/2004	32	--	--
FSW 566-M01-08GY	8/17/2004	28	--	--
FSW 566-M01-09Y	8/17/2004	28	--	--
FSW 566-M01-10P	8/17/2004	27	--	--
FSW 566-M01-11GN	8/17/2004	28	--	--
FSW 566-M01-12R	8/17/2004	29	--	--
FSW 566-M01-13BU	8/17/2004	28	--	--
FSW 566-M01-14BK	8/17/2004	27	--	--
FSW 566-M01-15W	8/17/2004	27	--	--
FSW 566-M02-01PT	8/17/2004	58	--	--
FSW 566-M02-02GNT	8/17/2004	29	--	--
FSW 566-M02-03RT	8/17/2004	44	--	--
FSW 566-M02-04BUT	8/17/2004	62	--	--
FSW 566-M02-05BKT	8/17/2004	112	--	--
FSW 566-M02-06WT	8/17/2004	159	--	--
FSW 566-M02-07O	8/17/2004	163	--	--
FSW 566-M02-08GY	8/17/2004	143	--	--
FSW 566-M02-09Y	8/17/2004	120	--	--
FSW 566-M02-10P	8/17/2004	103	--	--
FSW 566-M02-11GN	8/17/2004	103	--	--
FSW 566-M02-12R	8/17/2004	105	--	--
FSW 566-M02-13BU	8/17/2004	123	--	--

Table 8. Concentrations of dissolved organic carbon, dissolved inorganic carbon, and ultraviolet/visible absorbance for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Carbon, organic, dissolved, total (µM)	Carbon, inorganic, dissolved, total (mM)	Absorbance, filtered sample, 254-nm wavelength
FSW 566-M02-14BK	8/17/2004	123	--	--
FSW 566-M02-15W	8/17/2004	121	--	--
FSW 575-M01-01PT	7/10/1996	223	1	--
FSW 575-M01-02GNT	7/10/1996	227	1	--
FSW 575-M01-03RT	7/10/1996	252	1	--
FSW 575-M01-04BUT	7/10/1996	209	1	--
FSW 575-M01-05BKT	7/10/1996	213	1	--
FSW 575-M01-06WT	7/10/1996	198	1	--
FSW 575-M01-07O	7/10/1996	155	1	--
FSW 575-M01-08GY	7/10/1996	113	1	--
FSW 575-M01-09Y	7/10/1996	88	1	--
FSW 575-M01-10P	7/10/1996	66	0	--
FSW 575-M01-11GN	7/10/1996	12	0	--
FSW 575-M01-12R	7/10/1996	11	0	--
FSW 575-M01-13BU	7/10/1996	14	0	--
FSW 575-M01-14BK	7/10/1996	6	0	--
FSW 575-M01-14BK-D	7/10/1996	--	--	--
FSW 575-M01-15W	7/10/1996	5	0	--
FSW 575-M02-01PT (44-19)	7/10/1996	15	0	--
FSW 575-M02-02GNT (44-19)	7/10/1996	9	0	--
FSW 575-M02-03RT (44-19)	7/10/1996	29	0	--
FSW 575-M02-04BUT (44-19)	7/10/1996	93	0	--
FSW 575-M02-05BKT (44-19)	7/10/1996	132	0	--
FSW 575-M02-06WT (44-19)	7/10/1996	189	0	--
FSW 575-M02-07O (44-19)	7/10/1996	194	0	--
FSW 575-M02-08GY (44-19)	7/10/1996	199	0	--
FSW 575-M02-09Y (44-19)	7/10/1996	187	0	--
FSW 575-M02-10P (44-19)	7/10/1996	179	1	--
FSW 575-M02-11GN (44-19)	7/10/1996	183	1	--
FSW 575-M02-12R (44-19)	7/10/1996	184	1	--
FSW 575-M02-13BU (44-19)	7/10/1996	191	1	--
FSW 575-M02-14BK (44-19)	7/10/1996	183	1	--
FSW 575-M02-15W (44-19)	7/10/1996	193	1	--
FSW 575-M01-01PT	6/18/1997	252	2	0
FSW 575-M01-02GNT	6/18/1997	221	2	0

Table 8. Concentrations of dissolved organic carbon, dissolved inorganic carbon, and ultraviolet/visible absorbance for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Carbon, organic, dissolved, total (µM)	Carbon, inorganic, dissolved, total (mM)	Absorbance, filtered sample, 254-nm wavelength
FSW 575-M01-03RT	6/18/1997	179	2	0
FSW 575-M01-04BUT	6/18/1997	173	2	1
FSW 575-M01-05BKT	6/18/1997	198	2	0
FSW 575-M01-06WT	6/18/1997	166	2	0
FSW 575-M01-07O	6/18/1997	208	2	0
FSW 575-M01-08GY	6/18/1997	191	2	0
FSW 575-M01-09Y	6/18/1997	223	2	0
FSW 575-M01-10P	6/18/1997	123	1	0
FSW 575-M01-11GN	6/18/1997	55	1	0
FSW 575-M01-12R	6/18/1997	34	0	0
FSW 575-M01-13BU	6/18/1997	28	0	0
FSW 575-M01-14BK	6/18/1997	23	0	0
FSW 575-M01-15W	6/18/1997	25	0	0
FSW 575-M02-01PT (44-19)	6/18/1997	29	0	0
FSW 575-M02-02GNT (44-19)	6/18/1997	36	0	0
FSW 575-M02-03RT (44-19)	6/18/1997	56	0	0
FSW 575-M02-04BUT (44-19)	6/18/1997	124	1	0
FSW 575-M02-05BKT (44-19)	6/18/1997	182	1	0
FSW 575-M02-06WT (44-19)	6/18/1997	258	1	0
FSW 575-M02-07O (44-19)	6/18/1997	266	2	0
FSW 575-M02-08GY (44-19)	6/18/1997	260	2	0
FSW 575-M02-09Y (44-19)	6/18/1997	261	2	0
FSW 575-M02-10P (44-19)	6/18/1997	245	2	0
FSW 575-M02-11GN (44-19)	6/18/1997	243	2	0
FSW 575-M02-12R (44-19)	6/18/1997	241	2	0
FSW 575-M02-13BU (44-19)	6/18/1997	258	2	0
FSW 575-M02-14BK (44-19)	6/18/1997	262	2	0
FSW 575-M02-15W (44-19)	6/18/1997	259	2	0
FSW 575-M01-01PT	6/3/1998	215	1	0
FSW 575-M01-02GNT	6/3/1998	227	1	0
FSW 575-M01-03RT	6/3/1998	211	1	0
FSW 575-M01-04BUT	6/3/1998	149	1	0
FSW 575-M01-05BKT	6/3/1998	153	1	1
FSW 575-M01-06WT	6/3/1998	137	1	0
FSW 575-M01-07O	6/3/1998	111	1	0
FSW 575-M01-08GY	6/3/1998	84	1	0

Table 8. Concentrations of dissolved organic carbon, dissolved inorganic carbon, and ultraviolet/visible absorbance for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Carbon, organic, dissolved, total (µM)	Carbon, inorganic, dissolved, total (mM)	Absorbance, filtered sample, 254-nm wavelength
FSW 575-M01-09Y	6/3/1998	81	0	0
FSW 575-M01-10P	6/3/1998	41	0	0
FSW 575-M01-11GN	6/3/1998	21	0	0
FSW 575-M01-12R	6/3/1998	19	0	0
FSW 575-M01-13BU	6/3/1998	22	0	0
FSW 575-M01-14BK	6/3/1998	17	0	0
FSW 575-M01-15W	6/3/1998	19	0	0
FSW 575-M02-01PT (44-19)	6/3/1998	24	0	0
FSW 575-M02-02GNT (44-19)	6/3/1998	30	0	0
FSW 575-M02-03RT (44-19)	6/3/1998	67	0	0
FSW 575-M02-04BUT (44-19)	6/3/1998	197	1	0
FSW 575-M02-05BKT (44-19)	6/3/1998	248	1	0
FSW 575-M02-06WT (44-19)	6/3/1998	263	1	0
FSW 575-M02-07O (44-19)	6/3/1998	264	1	0
FSW 575-M02-08GY (44-19)	6/3/1998	239	1	0
FSW 575-M02-09Y (44-19)	6/3/1998	184	1	0
FSW 575-M02-10P (44-19)	6/3/1998	170	2	0
FSW 575-M02-11GN (44-19)	6/3/1998	156	2	0
FSW 575-M02-12R (44-19)	6/3/1998	166	2	0
FSW 575-M02-13BU (44-19)	6/3/1998	171	1	0
FSW 575-M02-14BK (44-19)	6/3/1998	172	1	0
FSW 575-M02-15W (44-19)	6/3/1998	204	1	0
FSW 575-M01-01PT	6/7/1999	113	--	0
FSW 575-M01-02GNT	6/7/1999	153	--	0
FSW 575-M01-03RT	6/7/1999	80	--	0
FSW 575-M01-04BUT	6/7/1999	41	--	0
FSW 575-M01-05BKT	6/7/1999	46	--	0
FSW 575-M01-06WT	6/7/1999	66	--	0
FSW 575-M01-07O	6/7/1999	88	--	0
FSW 575-M01-08GY	6/7/1999	42	--	0
FSW 575-M01-09Y	6/7/1999	31	--	0
FSW 575-M01-10P	6/7/1999	21	--	0
FSW 575-M01-11GN	6/7/1999	19	--	0
FSW 575-M01-12R	6/7/1999	15	--	0
FSW 575-M01-13BU	6/7/1999	15	--	0
FSW 575-M01-14BK	6/7/1999	16	--	0

Table 8. Concentrations of dissolved organic carbon, dissolved inorganic carbon, and ultraviolet/visible absorbance for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Carbon, organic, dissolved, total (µM)	Carbon, inorganic, dissolved, total (mM)	Absorbance, filtered sample, 254-nm wavelength
FSW 575-M01-15W	6/7/1999	18	--	0
FSW 575-M02-01PT (44-19)	6/7/1999	19	--	0
FSW 575-M02-02GNT (44-19)	6/7/1999	44	--	0
FSW 575-M02-03RT (44-19)	6/7/1999	173	--	0
FSW 575-M02-04BUT (44-19)	6/7/1999	191	--	0
FSW 575-M02-05BKT (44-19)	6/7/1999	210	--	0
FSW 575-M02-06WT (44-19)	6/7/1999	186	--	0
FSW 575-M02-07O (44-19)	6/7/1999	178	--	0
FSW 575-M02-08GY (44-19)	6/7/1999	154	--	0
FSW 575-M02-09Y (44-19)	6/7/1999	138	--	0
FSW 575-M02-10P (44-19)	6/7/1999	118	--	0
FSW 575-M02-11GN (44-19)	6/7/1999	109	--	0
FSW 575-M02-12R (44-19)	6/7/1999	106	--	0
FSW 575-M02-13BU (44-19)	6/7/1999	118	--	0
FSW 575-M02-14BK (44-19)	6/7/1999	158	--	0
FSW 575-M02-15W (44-19)	6/7/1999	141	--	0
FSW 575-M01-01PT	5/31/2000	66	--	0
FSW 575-M01-02GNT	5/31/2000	57	--	0
FSW 575-M01-03RT	5/31/2000	53	--	0
FSW 575-M01-04BUT	5/31/2000	66	--	0
FSW 575-M01-05BKT	5/31/2000	59	--	0
FSW 575-M01-06WT	5/31/2000	46	--	0
FSW 575-M01-07O	5/31/2000	26	--	0
FSW 575-M01-08GY	5/31/2000	67	--	0
FSW 575-M01-09Y	5/31/2000	35	--	0
FSW 575-M01-10P	5/31/2000	23	--	0
FSW 575-M01-11GN	5/31/2000	41	--	0
FSW 575-M01-12R	5/31/2000	18	--	0
FSW 575-M01-13BU	5/31/2000	19	--	0
FSW 575-M01-14BK	5/31/2000	17	--	0
FSW 575-M01-15W	5/31/2000	17	--	0
FSW 575-M02-01PT (44-19)	5/31/2000	19	--	0
FSW 575-M02-02GNT (44-19)	5/31/2000	28	--	0
FSW 575-M02-03RT (44-19)	5/31/2000	72	--	0
FSW 575-M02-04BUT (44-19)	5/31/2000	137	--	0

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Well or multilevel-sampler port	Date	Carbon, organic, dissolved, total (µM)	Carbon, inorganic, dissolved, total (mM)	Absorbance, filtered sample, 254-nm wavelength
FSW 575-M02-05BKT (44-19)	5/31/2000	189	--	0
FSW 575-M02-06WT (44-19)	5/31/2000	167	--	0
FSW 575-M02-07O (44-19)	5/31/2000	143	--	0
FSW 575-M02-08GY (44-19)	5/31/2000	133	--	0
FSW 575-M02-09Y (44-19)	5/31/2000	123	--	0
FSW 575-M02-10P (44-19)	5/31/2000	115	--	0
FSW 575-M02-11GN (44-19)	5/31/2000	110	--	0
FSW 575-M02-12R (44-19)	5/31/2000	141	--	0
FSW 575-M02-13BU (44-19)	5/31/2000	117	--	0
FSW 575-M02-14BK (44-19)	5/31/2000	103	--	0
FSW 575-M02-15W (44-19)	5/31/2000	89	--	0
FSW 575-M01-01PT	7/11/2002	143	--	0
FSW 575-M01-02GNT	7/11/2002	113	--	0
FSW 575-M01-03RT	7/11/2002	148	--	0
FSW 575-M01-04BUT	7/11/2002	182	--	0
FSW 575-M01-05BKT	7/11/2002	257	--	0
FSW 575-M01-06WT	7/11/2002	173	--	0
FSW 575-M01-07O	7/11/2002	--	--	--
FSW 575-M01-08GY	7/11/2002	123	--	0
FSW 575-M01-09Y	7/11/2002	24	--	0
FSW 575-M01-10P	7/11/2002	28	--	0
FSW 575-M01-11GN	7/11/2002	16	--	0
FSW 575-M01-12R	7/11/2002	14	--	0
FSW 575-M01-13BU	7/11/2002	12	--	0
FSW 575-M01-14BK	7/11/2002	12	--	0
FSW 575-M01-15W	7/11/2002	13	--	0
FSW 575-M02-01PT (44-19)	7/11/2002	16	--	0
FSW 575-M02-02GNT (44-19)	7/11/2002	31	--	0
FSW 575-M02-03RT (44-19)	7/11/2002	82	--	0
FSW 575-M02-04BUT (44-19)	7/11/2002	153	--	0
FSW 575-M02-05BKT (44-19)	7/11/2002	188	--	0
FSW 575-M02-06WT (44-19)	7/11/2002	148	--	0
FSW 575-M02-07O (44-19)	7/11/2002	190	--	0
FSW 575-M02-08GY (44-19)	7/11/2002	121	--	0
FSW 575-M02-09Y (44-19)	7/11/2002	132	--	0
FSW 575-M02-10P (44-19)	7/11/2002	125	--	0

Table 8. Concentrations of dissolved organic carbon, dissolved inorganic carbon, and ultraviolet/visible absorbance for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Carbon, organic, dissolved, total (µM)	Carbon, inorganic, dissolved, total (mM)	Absorbance, filtered sample, 254-nm wavelength
FSW 575-M02-11GN (44-19)	7/11/2002	132	--	0
FSW 575-M02-12R (44-19)	7/11/2002	169	--	0
FSW 575-M02-13BU (44-19)	7/11/2002	166	--	0
FSW 575-M02-14BK (44-19)	7/11/2002	158	--	0
FSW 575-M02-15W (44-19)	7/11/2002	169	--	0
FSW 575-M01-01PT	8/30/2004	78	--	--
FSW 575-M01-02GNT	8/30/2004	62	--	--
FSW 575-M01-03RT	8/30/2004	54	--	--
FSW 575-M01-04BUT	8/30/2004	50	--	--
FSW 575-M01-05BKT	8/30/2004	53	--	--
FSW 575-M01-06WT	8/30/2004	41	--	--
FSW 575-M01-07O	8/30/2004	31	--	--
FSW 575-M01-08GY	8/30/2004	33	--	--
FSW 575-M01-09Y	8/30/2004	30	--	--
FSW 575-M01-10P	8/30/2004	31	--	--
FSW 575-M01-11GN	8/30/2004	29	--	--
FSW 575-M01-12R	8/30/2004	24	--	--
FSW 575-M01-13BU	8/30/2004	29	--	--
FSW 575-M01-14BK	8/30/2004	26	--	--
FSW 575-M01-15W	8/30/2004	31	--	--
FSW 575-M02-01PT (44-19)	8/30/2004	39	--	--
FSW 575-M02-02GNT (44-19)	8/30/2004	51	--	--
FSW 575-M02-03RT (44-19)	8/30/2004	76	--	--
FSW 575-M02-04BUT (44-19)	8/30/2004	162	--	--
FSW 575-M02-05BKT (44-19)	8/30/2004	248	--	--
FSW 575-M02-06WT (44-19)	8/30/2004	229	--	--
FSW 575-M02-07O (44-19)	8/30/2004	191	--	--
FSW 575-M02-08GY (44-19)	8/30/2004	111	--	--
FSW 575-M02-09Y (44-19)	8/30/2004	106	--	--
FSW 575-M02-10P (44-19)	8/30/2004	102	--	--
FSW 575-M02-11GN (44-19)	8/30/2004	92	--	--
FSW 575-M02-12R (44-19)	8/30/2004	80	--	--
FSW 575-M02-13BU (44-19)	8/30/2004	90	--	--
FSW 575-M02-14BK (44-19)	8/30/2004	88	--	--
FSW 575-M02-15W (44-19)	8/30/2004	86	--	--

Table 8. Concentrations of dissolved organic carbon, dissolved inorganic carbon, and ultraviolet/visible absorbance for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Carbon, organic, dissolved, total (µM)	Carbon, inorganic, dissolved, total (mM)	Absorbance, filtered sample, 254-nm wavelength
FSW 577-0051	9/13/1995	--	--	--
FSW 577-0061	9/13/1995	252	1	--
FSW 577-0071	9/13/1995	351	1	--
FSW 577-0081	9/13/1995	336	1	--
FSW 577-0097	9/13/1995	207	1	--
FSW 577-0111	9/13/1995	81	1	--
FSW 577-0126	9/13/1995	36	0	--
FSW 577-0142	9/13/1995	30	0	--
FSW 577-0051	12/6/1995	253	1	--
FSW 577-0061	12/6/1995	268	1	--
FSW 577-0071	12/6/1995	291	1	--
FSW 577-0081	12/6/1995	341	1	--
FSW 577-0097	12/6/1995	390	2	--
FSW 577-0111	12/6/1995	206	1	--
FSW 577-0126	12/6/1995	31	0	--
FSW 577-0142	12/6/1995	17	0	--
FSW 577-0051	6/21/1996	217	0	--
FSW 577-0061	6/21/1996	224	0	--
FSW 577-0071	6/21/1996	286	0	--
FSW 577-0081	6/21/1996	320	1	--
FSW 577-0097	6/21/1996	310	1	--
FSW 577-0111	6/21/1996	164	1	--
FSW 577-0126	6/21/1996	19	0	--
FSW 577-0142	6/21/1996	7	0	--
FSW 577-0051	11/19/1996	281	0	0
FSW 577-0061	11/19/1996	313	1	0
FSW 577-0071	11/19/1996	314	1	0
FSW 577-0081	11/19/1996	302	1	0
FSW 577-0097	11/19/1996	167	1	0
FSW 577-0111	11/19/1996	63	0	0
FSW 577-0126	11/19/1996	33	0	0
FSW 577-0142	11/19/1996	33	0	0
FSW 577-0051	2/28/1997	--	--	--
FSW 577-0061	2/28/1997	288	--	0

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Well or multilevel-sampler port	Date	Carbon, organic, dissolved, total (µM)	Carbon, inorganic, dissolved, total (mM)	Absorbance, filtered sample, 254-nm wavelength
FSW 577-0071	2/28/1997	148	--	0
FSW 577-0081	2/28/1997	--	--	--
FSW 577-0097	2/28/1997	169	--	0
FSW 577-0111	2/28/1997	97	--	0
FSW 577-0126	2/28/1997	--	--	--
FSW 577-0142	2/28/1997	152	--	0
FSW 577-0051	5/29/1997	333	--	0
FSW 577-0061	5/29/1997	253	--	0
FSW 577-0071	5/29/1997	141	--	0
FSW 577-0081	5/29/1997	163	--	0
FSW 577-0097	5/29/1997	85	--	0
FSW 577-0111	5/29/1997	46	--	0
FSW 577-0126	5/29/1997	24	--	0
FSW 577-0142	5/29/1997	19	--	0
FSW 577-0051	8/25/1997	339	--	0
FSW 577-0061	8/25/1997	155	--	0
FSW 577-0071	8/25/1997	148	--	0
FSW 577-0081	8/25/1997	127	--	0
FSW 577-0097	8/25/1997	83	--	0
FSW 577-0111	8/25/1997	40	--	0
FSW 577-0126	8/25/1997	23	--	0
FSW 577-0142	8/25/1997	23	--	0
FSW 577-0051	11/13/1997	292	--	0
FSW 577-0061	11/13/1997	152	--	0
FSW 577-0071	11/13/1997	143	--	0
FSW 577-0081	11/13/1997	105	--	0
FSW 577-0097	11/13/1997	78	--	0
FSW 577-0111	11/13/1997	38	--	0
FSW 577-0126	11/13/1997	30	--	0
FSW 577-0142	11/13/1997	26	--	0
FSW 577-0051	6/18/1998	273	0	0
FSW 577-0061	6/18/1998	156	1	0
FSW 577-0071	6/18/1998	114	2	0
FSW 577-0081	6/18/1998	88	1	0

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Well or multilevel-sampler port	Date	Carbon, organic, dissolved, total (µM)	Carbon, inorganic, dissolved, total (mM)	Absorbance, filtered sample, 254-nm wavelength
FSW 577-0097	6/18/1998	83	1	0
FSW 577-0111	6/18/1998	40	0	0
FSW 577-0126	6/18/1998	17	0	0
FSW 577-0142	6/18/1998	22	0	0
FSW 577-0051	11/17/1998	241	--	0
FSW 577-0061	11/17/1998	124	--	0
FSW 577-0071	11/17/1998	120	--	0
FSW 577-0081	11/17/1998	110	--	0
FSW 577-0097	11/17/1998	49	--	0
FSW 577-0111	11/17/1998	30	--	0
FSW 577-0126	11/17/1998	22	--	0
FSW 577-0142	11/17/1998	15	--	0
FSW 577-0051	6/30/1999	263	--	0
FSW 577-0061	6/30/1999	153	--	0
FSW 577-0071	6/30/1999	124	--	0
FSW 577-0081	6/30/1999	107	--	0
FSW 577-0097	6/30/1999	49	--	0
FSW 577-0111	6/30/1999	25	--	0
FSW 577-0126	6/30/1999	18	--	0
FSW 577-0142	6/30/1999	15	--	0
FSW 577-0051	6/23/2000	278	--	0
FSW 577-0061	6/23/2000	170	--	0
FSW 577-0071	6/23/2000	234	--	0
FSW 577-0081	6/23/2000	213	--	0
FSW 577-0097	6/23/2000	178	--	0
FSW 577-0111	6/23/2000	29	--	0
FSW 577-0126	6/23/2000	20	--	0
FSW 577-0142	6/23/2000	18	--	0
FSW 577-0051	8/15/2002	260	--	0
FSW 577-0061	8/15/2002	119	--	0
FSW 577-0071	8/15/2002	100	--	0
FSW 577-0081	8/15/2002	53	--	0
FSW 577-0097	8/15/2002	37	--	0
FSW 577-0111	8/15/2002	21	--	0

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Well or multilevel-sampler port	Date	Carbon, organic, dissolved, total (µM)	Carbon, inorganic, dissolved, total (mM)	Absorbance, filtered sample, 254-nm wavelength
FSW 577-0126	8/15/2002	15	--	0
FSW 577-0142	8/15/2002	13	--	0
FSW 577-0051	8/2/2004	217	--	--
FSW 577-0051-D	8/2/2004	220	--	--
FSW 577-0061	8/2/2004	128	--	--
FSW 577-0071	8/2/2004	91	--	--
FSW 577-0081	8/2/2004	80	--	--
FSW 577-0097	8/2/2004	69	--	--
FSW 577-0111	8/2/2004	40	--	--
FSW 577-0126	8/2/2004	31	--	--
FSW 577-0142	8/2/2004	31	--	--
FSW 586-0058	6/15/1996	271	0	--
FSW 586-0068	6/15/1996	267	1	--
FSW 586-0078	6/15/1996	308	1	--
FSW 586-0088	6/15/1996	266	1	--
FSW 586-0098	6/15/1996	241	1	--
FSW 586-0113	6/15/1996	207	0	--
FSW 586-0128	6/15/1996	32	0	--
FSW 586-0143	6/15/1996	4	0	--
FSW 586-0058	11/22/1996	239	0	0
FSW 586-0068	11/22/1996	351	0	0
FSW 586-0078	11/22/1996	297	1	0
FSW 586-0088	11/22/1996	307	1	0
FSW 586-0098	11/22/1996	271	1	0
FSW 586-0113	11/22/1996	137	1	0
FSW 586-0128	11/22/1996	37	0	0
FSW 586-0143	11/22/1996	28	0	0
FSW 586-0058	3/6/1997	--	--	--
FSW 586-0068	3/6/1997	--	--	--
FSW 586-0078	3/6/1997	--	--	--
FSW 586-0088	3/6/1997	--	--	--
FSW 586-0098	3/6/1997	--	--	--
FSW 586-0098-D	3/6/1997	--	--	--
FSW 586-0113	3/6/1997	--	--	--

Table 8. Concentrations of dissolved organic carbon, dissolved inorganic carbon, and ultraviolet/visible absorbance for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Source of data: Richard L. Smith, Larry B. Barber, and Deborah A. Repert, U.S. Geological Survey, National Research Program, Boulder, CO. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; µM, micromoles per liter; mM, millimoles per liter; nm, nanometer; --, no data]

Well or multilevel-sampler port	Date	Carbon, organic, dissolved, total (µM)	Carbon, inorganic, dissolved, total (mM)	Absorbance, filtered sample, 254-nm wavelength
FSW 586-0128	3/6/1997	--	--	--
FSW 586-0143	3/6/1997	--	--	--
FSW 586-0058	6/10/1997	264	--	0
FSW 586-0068	6/10/1997	273	--	0
FSW 586-0078	6/10/1997	188	--	0
FSW 586-0088	6/10/1997	278	--	0
FSW 586-0098	6/10/1997	98	--	0
FSW 586-0113	6/10/1997	78	--	0
FSW 586-0128	6/10/1997	22	--	0
FSW 586-0143	6/10/1997	18	--	0
FSW 586-0058	8/26/1997	313	--	0
FSW 586-0068	8/26/1997	237	--	0
FSW 586-0078	8/26/1997	130	--	0
FSW 586-0088	8/26/1997	201	--	0
FSW 586-0098	8/26/1997	134	--	0
FSW 586-0113	8/26/1997	83	--	0
FSW 586-0128	8/26/1997	28	--	0
FSW 586-0143	8/26/1997	24	--	0
FSW 586-0058	11/6/1997	288	--	0
FSW 586-0068	11/6/1997	191	--	0
FSW 586-0078	11/6/1997	163	--	0
FSW 586-0088	11/6/1997	443	--	0
FSW 586-0098	11/7/1997	92	--	0
FSW 586-0113	11/7/1997	85	--	0
FSW 586-0128	11/7/1997	28	--	0
FSW 586-0143	11/7/1997	21	--	0
FSW 586-0058	7/9/1998	305	0	0
FSW 586-0068	7/9/1998	151	2	0
FSW 586-0078	7/9/1998	142	1	0
FSW 586-0088	7/9/1998	111	1	0
FSW 586-0098	7/9/1998	81	0	0
FSW 586-0113	7/9/1998	57	0	0
FSW 586-0128	7/9/1998	18	0	0
FSW 586-0143	7/9/1998	14	0	0

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Well or multilevel-sampler port	Date	Carbon, organic, dissolved, total (µM)	Carbon, inorganic, dissolved, total (mM)	Absorbance, filtered sample, 254-nm wavelength
FSW 586-0058	11/19/1998	265	--	0
FSW 586-0068	11/19/1998	150	--	0
FSW 586-0078	11/19/1998	98	--	0
FSW 586-0088	11/19/1998	96	--	0
FSW 586-0098	11/19/1998	64	--	0
FSW 586-0113	11/19/1998	43	--	0
FSW 586-0128	11/19/1998	23	--	0
FSW 586-0143	11/19/1998	14	--	0
FSW 586-0058	7/12/1999	276	--	--
FSW 586-0068	7/12/1999	198	--	--
FSW 586-0078	7/12/1999	178	--	--
FSW 586-0088	7/12/1999	108	--	--
FSW 586-0098	7/12/1999	110	--	--
FSW 586-0113	7/12/1999	49	--	--
FSW 586-0128	7/12/1999	18	--	--
FSW 586-0143	7/12/1999	15	--	--
FSW 586-0058	6/21/2000	258	--	0
FSW 586-0068	6/21/2000	176	--	0
FSW 586-0078	6/21/2000	156	--	0
FSW 586-0088	6/21/2000	254	--	0
FSW 586-0098	6/21/2000	65	--	0
FSW 586-0113	6/21/2000	35	--	0
FSW 586-0128	6/21/2000	23	--	0
FSW 586-0143	6/21/2000	16	--	0
FSW 586-0058	7/31/2002	277	--	0
FSW 586-0068	7/31/2002	118	--	0
FSW 586-0078	7/31/2002	98	--	0
FSW 586-0088	7/31/2002	57	--	0
FSW 586-0098	7/31/2002	33	--	0
FSW 586-0113	7/31/2002	23	--	0
FSW 586-0128	7/31/2002	16	--	0
FSW 586-0143	7/31/2002	11	--	0
FSW 586-0058	8/2/2004	246	--	--

Table 8. Concentrations of dissolved organic carbon, dissolved inorganic carbon, and ultraviolet/visible absorbance for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Carbon, organic, dissolved, total (µM)	Carbon, inorganic, dissolved, total (mM)	Absorbance, filtered sample, 254-nm wavelength
FSW 586-0068	8/2/2004	116	--	--
FSW 586-0078	8/2/2004	76	--	--
FSW 586-0088	8/2/2004	73	--	--
FSW 586-0098	8/2/2004	57	--	--
FSW 586-0113	8/2/2004	37	--	--
FSW 586-0128	8/2/2004	29	--	--
FSW 586-0143	8/2/2004	30	--	--
FSW 586-0143-D	8/2/2004	31	--	--
SDW 436-M01-02GNT	7/12/2002	158	--	0
SDW 436-M01-03RT	7/12/2002	96	--	0
SDW 436-M01-04BUT	7/12/2002	113	--	0
SDW 436-M01-05BKT	7/12/2002	77	--	0
SDW 436-M01-06WT	7/12/2002	66	--	0
SDW 436-M01-07O	7/12/2002	70	--	0
SDW 436-M01-07O-D	7/12/2002	71	--	0
SDW 436-M01-08GY	7/12/2002		--	
SDW 436-M01-09Y	7/12/2002	106	--	0
SDW 436-M01-10P	7/12/2002	62	--	0
SDW 436-M01-11GN	7/12/2002	31	--	0
SDW 436-M01-12R	7/12/2002	27	--	0
SDW 436-M01-13BU	7/12/2002	35	--	0
SDW 436-M01-14BK	7/12/2002		--	
SDW 436-M01-15W	7/12/2002	35	--	0
SDW 436-M01-01PT	5/27/2003	274	--	0
SDW 436-M01-02GNT	5/27/2003	397	--	0
SDW 436-M01-02GNT-D	5/27/2003	400	--	0
SDW 436-M01-03RT	5/27/2003	136	--	0
SDW 436-M01-04BUT	5/27/2003	114	--	0
SDW 436-M01-05BKT	5/27/2003	79	--	0
SDW 436-M01-06WT	5/27/2003	51	--	0
SDW 436-M01-07O	5/27/2003	65	--	0
SDW 436-M01-08GY	5/27/2003	68	--	0
SDW 436-M01-09Y	5/27/2003	60	--	0
SDW 436-M01-10P	5/27/2003	52	--	0
SDW 436-M01-11GN	5/27/2003	30	--	0
SDW 436-M01-12R	5/27/2003	18	--	0

Table 8. Concentrations of dissolved organic carbon, dissolved inorganic carbon, and ultraviolet/visible absorbance for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Carbon, organic, dissolved, total (µM)	Carbon, inorganic, dissolved, total (mM)	Absorbance, filtered sample, 254-nm wavelength
SDW 436-M01-13BU	5/27/2003	18	--	0
SDW 436-M01-13BU-D	5/27/2003	16	--	0
SDW 436-M01-14BK	5/27/2003	18	--	0
SDW 436-M01-15W	5/27/2003	19	--	0
SDW 436-M01-01PT	8/26/2004	--	--	--
SDW 436-M01-02GNT	8/26/2004	--	--	--
SDW 436-M01-03RT	8/26/2004	--	--	--
SDW 436-M01-04BUT	8/26/2004	--	--	--
SDW 436-M01-05BKT	8/26/2004	--	--	--
SDW 436-M01-06WT	8/26/2004	--	--	--
SDW 436-M01-06WT-D	8/26/2004	--	--	--
SDW 436-M01-07O	8/26/2004	--	--	--
SDW 436-M01-08GY	8/26/2004	--	--	--
SDW 436-M01-09Y	8/26/2004	--	--	--
SDW 436-M01-10P	8/26/2004	--	--	--
SDW 436-M01-11GN	8/26/2004	--	--	--
SDW 436-M01-12R	8/26/2004	--	--	--
SDW 436-M01-13BU	8/26/2004	--	--	--
SDW 436-M01-14BK	8/26/2004	--	--	--
SDW 436-M01-15W	8/26/2004	--	--	--
SDW 469-M01-01PT	9/27/1995	--	--	--
SDW 469-M01-02GNT	9/27/1995	314	0	--
SDW 469-M01-03RT	9/27/1995	296	0	--
SDW 469-M01-04BUT	9/27/1995	269	1	--
SDW 469-M01-05BKT	9/27/1995	340	0	--
SDW 469-M01-06WT	9/27/1995	255	0	--
SDW 469-M01-07O	9/27/1995	283	1	--
SDW 469-M01-08GY	9/27/1995	335	1	--
SDW 469-M01-09Y	9/27/1995	481	1	--
SDW 469-M01-10P	9/27/1995	475	1	--
SDW 469-M01-11GN	9/27/1995	297	1	--
SDW 469-M01-12R	9/27/1995	301	0	--
SDW 469-M01-13BU	9/27/1995	64	0	--
SDW 469-M01-14BK	9/27/1995	59	0	--
SDW 469-M01-15W	9/27/1995	207	0	--

Table 8. Concentrations of dissolved organic carbon, dissolved inorganic carbon, and ultraviolet/visible absorbance for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Carbon, organic, dissolved, total (µM)	Carbon, inorganic, dissolved, total (mM)	Absorbance, filtered sample, 254-nm wavelength
SDW 469-M01-01PT	11/28/1995	--	--	--
SDW 469-M01-02GNT	11/28/1995	270	0	--
SDW 469-M01-03RT	11/28/1995	250	0	--
SDW 469-M01-04BUT	11/28/1995	309	1	--
SDW 469-M01-05BKT	11/28/1995	334	1	--
SDW 469-M01-06WT	11/28/1995	392	1	--
SDW 469-M01-07O	11/28/1995	425	1	--
SDW 469-M01-08GY	11/28/1995	460	1	--
SDW 469-M01-09Y	11/28/1995	336	1	--
SDW 469-M01-10P	11/28/1995	361	1	--
SDW 469-M01-11GN	11/28/1995	345	1	--
SDW 469-M01-12R	11/28/1995	295	0	--
SDW 469-M01-13BU	11/28/1995	168	0	--
SDW 469-M01-14BK	11/28/1995	40	0	--
SDW 469-M01-15W	11/28/1995	38	0	--
SDW 469-M01-01PT	1/25/1996	--	--	--
SDW 469-M01-02GNT	1/25/1996	190	1	--
SDW 469-M01-03RT	1/25/1996	295	1	--
SDW 469-M01-04BUT	1/25/1996	323	1	--
SDW 469-M01-05BKT	1/25/1996	295	1	--
SDW 469-M01-06WT	1/25/1996	292	1	--
SDW 469-M01-07O	1/25/1996	359	1	--
SDW 469-M01-08GY	1/25/1996	446	1	--
SDW 469-M01-09Y	1/25/1996	381	2	--
SDW 469-M01-10P	1/25/1996	382	2	--
SDW 469-M01-11GN	1/25/1996	361	2	--
SDW 469-M01-12R	1/25/1996	326	1	--
SDW 469-M01-13BU	1/25/1996	103	1	--
SDW 469-M01-14BK	1/25/1996	70	1	--
SDW 469-M01-15W	1/25/1996	30	0	--
SDW 469-M01-01PT	3/21/1996	--	--	--
SDW 469-M01-02GNT	3/21/1996	248	0	--
SDW 469-M01-03RT	3/21/1996	245	0	--
SDW 469-M01-04BUT	3/21/1996	213	0	--
SDW 469-M01-05BKT	3/21/1996	256	0	--
SDW 469-M01-06WT	3/21/1996	286	0	--

Table 8. Concentrations of dissolved organic carbon, dissolved inorganic carbon, and ultraviolet/visible absorbance for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Carbon, organic, dissolved, total (µM)	Carbon, inorganic, dissolved, total (mM)	Absorbance, filtered sample, 254-nm wavelength
SDW 469-M01-07O	3/21/1996	373	0	--
SDW 469-M01-08GY	3/21/1996	400	1	--
SDW 469-M01-09Y	3/21/1996	365	1	--
SDW 469-M01-10P	3/21/1996	295	1	--
SDW 469-M01-11GN	3/21/1996	307	1	--
SDW 469-M01-12R	3/21/1996	121	0	--
SDW 469-M01-13BU	3/21/1996	96	0	--
SDW 469-M01-14BK	3/21/1996	34	0	--
SDW 469-M01-15W	3/21/1996	23	0	--
SDW 469-M01-01PT	5/15/1996	455	0	--
SDW 469-M01-02GNT	5/15/1996	224	1	--
SDW 469-M01-03RT	5/15/1996	196	1	--
SDW 469-M01-04BUT	5/15/1996	238	1	--
SDW 469-M01-05BKT	5/15/1996	256	1	--
SDW 469-M01-06WT	5/15/1996	344	1	--
SDW 469-M01-07O	5/15/1996	403	1	--
SDW 469-M01-08GY	5/15/1996	335	1	--
SDW 469-M01-09Y	5/15/1996	264	1	--
SDW 469-M01-10P	5/15/1996	175	1	--
SDW 469-M01-11GN	5/15/1996	151	1	--
SDW 469-M01-12R	5/15/1996	128	1	--
SDW 469-M01-13BU	5/15/1996	89	1	--
SDW 469-M01-14BK	5/15/1996	37	0	--
SDW 469-M01-15W	5/15/1996	28	0	--
SDW 469-M01-01PT	7/25/1996	236	0	--
SDW 469-M01-02GNT	7/25/1996	236	0	--
SDW 469-M01-03RT	7/25/1996	198	0	--
SDW 469-M01-04BUT	7/25/1996	156	0	--
SDW 469-M01-05BKT	7/25/1996	185	0	--
SDW 469-M01-06WT	7/25/1996	229	1	--
SDW 469-M01-07O	7/25/1996	162	1	--
SDW 469-M01-08GY	7/25/1996	239	1	--
SDW 469-M01-09Y	7/25/1996	174	1	--
SDW 469-M01-10P	7/25/1996	81	0	--
SDW 469-M01-11GN	7/25/1996	103	1	--

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Well or multilevel-sampler port	Date	Carbon, organic, dissolved, total (µM)	Carbon, inorganic, dissolved, total (mM)	Absorbance, filtered sample, 254-nm wavelength
SDW 469-M01-12R	7/25/1996	68	0	--
SDW 469-M01-13BU	7/25/1996	27	0	--
SDW 469-M01-14BK	7/25/1996	12	0	--
SDW 469-M01-15W	7/25/1996	10	0	--
SDW 469-M01-01PT	11/6/1996	--	--	--
SDW 469-M01-01PT-D	11/6/1996	--	--	--
SDW 469-M01-02GNT	11/6/1996	--	--	--
SDW 469-M01-03RT	11/6/1996	--	--	--
SDW 469-M01-04BUT	11/6/1996	--	--	--
SDW 469-M01-05BKT	11/6/1996	--	--	--
SDW 469-M01-06WT	11/6/1996	--	--	--
SDW 469-M01-07O	11/6/1996	--	--	--
SDW 469-M01-08GY	11/6/1996	--	--	--
SDW 469-M01-09Y	11/6/1996	--	--	--
SDW 469-M01-10P	11/6/1996	--	--	--
SDW 469-M01-10P-D	11/6/1996	--	--	--
SDW 469-M01-11GN	11/6/1996	--	--	--
SDW 469-M01-12R	11/6/1996	--	--	--
SDW 469-M01-13BU	11/6/1996	--	--	--
SDW 469-M01-14BK	11/6/1996	--	--	--
SDW 469-M01-15W	11/6/1996	--	--	--
SDW 469-M01-01PT	2/3/1997	577	0	0
SDW 469-M01-02GNT	2/3/1997	318	0	0
SDW 469-M01-03RT	2/3/1997	223	0	0
SDW 469-M01-04BUT	2/3/1997	188	0	0
SDW 469-M01-05BKT	2/3/1997	155	1	0
SDW 469-M01-06WT	2/3/1997	138	1	0
SDW 469-M01-07O	2/3/1997	145	1	0
SDW 469-M01-08GY	2/3/1997	113	1	0
SDW 469-M01-09Y	2/3/1997	120	1	0
SDW 469-M01-10P	2/3/1997	148	1	0
SDW 469-M01-11GN	2/3/1997	66	0	0
SDW 469-M01-12R	2/3/1997	37	0	0
SDW 469-M01-13BU	2/3/1997	36	0	0
SDW 469-M01-14BK	2/3/1997	31	0	0
SDW 469-M01-15W	2/3/1997	23	0	0

Table 8. Concentrations of dissolved organic carbon, dissolved inorganic carbon, and ultraviolet/visible absorbance for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Carbon, organic, dissolved, total (µM)	Carbon, inorganic, dissolved, total (mM)	Absorbance, filtered sample, 254-nm wavelength
SDW 469-M01-01PT	5/12/1997	434	1	0
SDW 469-M01-02GNT	5/12/1997	286	1	0
SDW 469-M01-03RT	5/12/1997	289	1	0
SDW 469-M01-04BUT	5/12/1997	125	1	0
SDW 469-M01-05BKT	5/12/1997	100	2	0
SDW 469-M01-06WT	5/12/1997	67	2	0
SDW 469-M01-07O	5/12/1997	88	2	0
SDW 469-M01-08GY	5/12/1997	88	2	0
SDW 469-M01-09Y	5/12/1997	122	2	0
SDW 469-M01-10P	5/12/1997	81	1	0
SDW 469-M01-11GN	5/12/1997	74	1	0
SDW 469-M01-12R	5/12/1997	25	0	0
SDW 469-M01-13BU	5/12/1997	25	0	0
SDW 469-M01-14BK	5/12/1997	21	0	0
SDW 469-M01-15W	5/12/1997	13	0	0
SDW 469-M01-01PT	8/5/1997	293	--	0
SDW 469-M01-02GNT	8/5/1997	160	--	0
SDW 469-M01-03RT	8/5/1997	223	--	0
SDW 469-M01-04BUT	8/5/1997	148	--	0
SDW 469-M01-05BKT	8/5/1997	130	--	0
SDW 469-M01-06WT	8/5/1997	118	--	0
SDW 469-M01-07O	8/5/1997	135	--	0
SDW 469-M01-08GY	8/5/1997	107	--	0
SDW 469-M01-09Y	8/5/1997	108	--	0
SDW 469-M01-10P	8/5/1997	117	--	0
SDW 469-M01-11GN	8/5/1997	101	--	0
SDW 469-M01-12R	8/5/1997	93	--	0
SDW 469-M01-13BU	8/5/1997	36	--	0
SDW 469-M01-14BK	8/5/1997	26	--	0
SDW 469-M01-15W	8/5/1997	22	--	0
SDW 469-M01-01PT	10/27/1997	342	0	0
SDW 469-M01-02GNT	10/27/1997	256	0	0
SDW 469-M01-03RT	10/27/1997	259	0	0
SDW 469-M01-04BUT	10/27/1997	139	0	0
SDW 469-M01-05BKT	10/27/1997	115	0	0

Table 8. Concentrations of dissolved organic carbon, dissolved inorganic carbon, and ultraviolet/visible absorbance for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Source of data: Richard L. Smith, Larry B. Barber, and Deborah A. Repert, U.S. Geological Survey, National Research Program, Boulder, CO. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; µM, micromoles per liter; mM, millimoles per liter; nm, nanometer; --, no data]

Well or multilevel-sampler port	Date	Carbon, organic, dissolved, total (µM)	Carbon, inorganic, dissolved, total (mM)	Absorbance, filtered sample, 254-nm wavelength
SDW 469-M01-06WT	10/27/1997	100	0	0
SDW 469-M01-07O	10/27/1997	121	0	0
SDW 469-M01-08GY	10/27/1997	241	0	0
SDW 469-M01-09Y	10/27/1997	126	0	0
SDW 469-M01-10P	10/27/1997	93	0	0
SDW 469-M01-11GN	10/27/1997	47	0	0
SDW 469-M01-12R	10/27/1997	59	0	0
SDW 469-M01-13BU	10/27/1997	32	0	0
SDW 469-M01-14BK	10/27/1997	22	0	0
SDW 469-M01-15W	10/27/1997	20	0	0
SDW 469-M01-01PT	5/7/1998	423	--	0
SDW 469-M01-02GNT	5/7/1998	298	0	0
SDW 469-M01-03RT	5/7/1998	202	0	0
SDW 469-M01-04BUT	5/7/1998	127	0	0
SDW 469-M01-05BKT	5/7/1998	104	1	0
SDW 469-M01-06WT	5/7/1998	101	1	0
SDW 469-M01-07O	5/7/1998	93	1	0
SDW 469-M01-08GY	5/7/1998	120	1	0
SDW 469-M01-09Y	5/7/1998	116	1	0
SDW 469-M01-10P	5/7/1998	123	1	0
SDW 469-M01-11GN	5/7/1998	100	1	0
SDW 469-M01-12R	5/7/1998	39	0	0
SDW 469-M01-13BU	5/7/1998	38	--	0
SDW 469-M01-14BK	5/7/1998	21	--	0
SDW 469-M01-15W	5/7/1998	16	--	0
SDW 469-M01-01PT	10/29/1998	255	--	0
SDW 469-M01-02GNT	10/29/1998	205	--	0
SDW 469-M01-03RT	10/29/1998	259	--	0
SDW 469-M01-04BUT	10/29/1998	122	--	0
SDW 469-M01-05BKT	10/29/1998	125	--	0
SDW 469-M01-06WT	10/29/1998	98	--	0
SDW 469-M01-07O	10/29/1998	91	--	0
SDW 469-M01-08GY	10/29/1998	75	--	0
SDW 469-M01-09Y	10/29/1998	106	--	0
SDW 469-M01-10P	10/29/1998	114	--	0
SDW 469-M01-11GN	10/29/1998	48	--	0

Table 8. Concentrations of dissolved organic carbon, dissolved inorganic carbon, and ultraviolet/visible absorbance for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Source of data: Richard L. Smith, Larry B. Barber, and Deborah A. Repert, U.S. Geological Survey, National Research Program, Boulder, CO. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; µM, micromoles per liter; mM, millimoles per liter; nm, nanometer; --, no data]

Well or multilevel-sampler port	Date	Carbon, organic, dissolved, total (µM)	Carbon, inorganic, dissolved, total (mM)	Absorbance, filtered sample, 254-nm wavelength
SDW 469-M01-12R	10/29/1998	34	--	0
SDW 469-M01-13BU	10/29/1998	27	--	0
SDW 469-M01-14BK	10/29/1998	25	--	0
SDW 469-M01-15W	10/29/1998	22	--	0
SDW 469-M01-01PT	7/1/1999	407	--	0
SDW 469-M01-02GN	7/1/1999	248	--	0
SDW 469-M01-03RT	7/1/1999	140	--	0
SDW 469-M01-04BUT	7/1/1999	95	--	0
SDW 469-M01-05BKT	7/1/1999	107	--	0
SDW 469-M01-06WT	7/1/1999	105	--	0
SDW 469-M01-07O	7/1/1999	103	--	0
SDW 469-M01-08GY	7/1/1999	101	--	0
SDW 469-M01-09Y	7/1/1999	79	--	0
SDW 469-M01-10P	7/1/1999	54	--	0
SDW 469-M01-11GN	7/1/1999	49	--	0
SDW 469-M01-12R	7/1/1999	30	--	0
SDW 469-M01-13BU	7/1/1999	19	--	0
SDW 469-M01-14BK	7/1/1999	16	--	0
SDW 469-M01-15W	7/1/1999	18	--	0
SDW 469-M01-01PT	5/24/2000	850	--	0
SDW 469-M01-02GN	5/24/2000	358	--	0
SDW 469-M01-03RT	5/24/2000	211	--	0
SDW 469-M01-04BUT	5/24/2000	98	--	0
SDW 469-M01-05BKT	5/24/2000	96	--	0
SDW 469-M01-06WT	5/24/2000	108	--	0
SDW 469-M01-07O	5/24/2000	95	--	0
SDW 469-M01-08GY	5/24/2000	48	--	0
SDW 469-M01-09Y	5/24/2000	48	--	0
SDW 469-M01-10P	5/24/2000	46	--	0
SDW 469-M01-11GN	5/24/2000	34	--	0
SDW 469-M01-12R	5/24/2000	39	--	0
SDW 469-M01-13BU	5/24/2000	41	--	0
SDW 469-M01-14BK	5/24/2000	20	--	0
SDW 469-M01-15W	5/24/2000	23	--	0
SDW 469-M01-01PT	8/29/2001	553	--	0

Table 8. Concentrations of dissolved organic carbon, dissolved inorganic carbon, and ultraviolet/visible absorbance for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Carbon, organic, dissolved, total (µM)	Carbon, inorganic, dissolved, total (mM)	Absorbance, filtered sample, 254-nm wavelength
SDW 469-M01-02GNT	8/29/2001	290	--	0
SDW 469-M01-03RT	8/29/2001	211	--	0
SDW 469-M01-04BUT	8/29/2001	449	--	0
SDW 469-M01-05BKT	8/29/2001	113	--	0
SDW 469-M01-06WT	8/29/2001	96	--	0
SDW 469-M01-07O	8/29/2001	96	--	0
SDW 469-M01-07O-D	8/29/2001	103	--	0
SDW 469-M01-08GY	8/29/2001	134	--	0
SDW 469-M01-09Y	8/29/2001	71	--	0
SDW 469-M01-10P	8/29/2001	40	--	0
SDW 469-M01-11GN	8/29/2001	30	--	0
SDW 469-M01-12R	8/29/2001	32	--	0
SDW 469-M01-13BU	8/29/2001	24	--	0
SDW 469-M01-14BK	8/29/2001	25	--	0
SDW 469-M01-15W	8/29/2001	21	--	0
SDW 469-M01-01PT	6/20/2002	--	--	--
SDW 469-M01-02GN	6/20/2002	426	--	0
SDW 469-M01-03RT	6/20/2002	188	--	0
SDW 469-M01-04BUT	6/20/2002	155	--	0
SDW 469-M01-05BKT	6/20/2002	88	--	0
SDW 469-M01-06WT	6/20/2002	77	--	0
SDW 469-M01-07O	6/20/2002	71	--	0
SDW 469-M01-08GY	6/20/2002	74	--	0
SDW 469-M01-09Y	6/20/2002	52	--	0
SDW 469-M01-10P	6/20/2002	71	--	0
SDW 469-M01-11GN	6/20/2002	38	--	0
SDW 469-M01-12R	6/20/2002	35	--	0
SDW 469-M01-13BU	6/20/2002	19	--	0
SDW 469-M01-14BK	6/20/2002	16	--	0
SDW 469-M01-15W	6/20/2002	17	--	0
SDW 469-M01-01PT	6/3/2003	438	--	0
SDW 469-M01-02GN	6/3/2003	380	--	0
SDW 469-M01-03RT	6/3/2003	268	--	0
SDW 469-M01-04BUT	6/3/2003	155	--	0
SDW 469-M01-05BKT	6/3/2003	87	--	0
SDW 469-M01-06WT	6/3/2003	65	--	0

Table 8. Concentrations of dissolved organic carbon, dissolved inorganic carbon, and ultraviolet/visible absorbance for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Source of data: Richard L. Smith, Larry B. Barber, and Deborah A. Repert, U.S. Geological Survey, National Research Program, Boulder, CO. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; µM, micromoles per liter; mM, millimoles per liter; nm, nanometer; --, no data]

Well or multilevel-sampler port	Date	Carbon, organic, dissolved, total (µM)	Carbon, inorganic, dissolved, total (mM)	Absorbance, filtered sample, 254-nm wavelength
SDW 469-M01-07O	6/3/2003	72	--	0
SDW 469-M01-08GY	6/3/2003	69	--	0
SDW 469-M01-09Y	6/3/2003	56	--	0
SDW 469-M01-10P	6/3/2003	52	--	0
SDW 469-M01-11GN	6/3/2003	48	--	0
SDW 469-M01-12R	6/3/2003	43	--	0
SDW 469-M01-13BU	6/3/2003	20	--	0
SDW 469-M01-14BK	6/3/2003	19	--	0
SDW 469-M01-15W	6/3/2003	17	--	0
SDW 469-M01-01PT	7/30/2004	370	--	--
SDW 469-M01-02GN	7/30/2004	274	--	--
SDW 469-M01-03RT	7/30/2004	224	--	--
SDW 469-M01-04BUT	7/30/2004	121	--	--
SDW 469-M01-05BKT	7/30/2004	88	--	--
SDW 469-M01-06WT	7/30/2004	89	--	--
SDW 469-M01-07O	7/30/2004	79	--	--
SDW 469-M01-07O-D	7/30/2004	80	--	--
SDW 469-M01-08GY	7/30/2004	87	--	--
SDW 469-M01-09Y	7/30/2004	80	--	--
SDW 469-M01-10P	7/30/2004	66	--	--
SDW 469-M01-11GN	7/30/2004	59	--	--
SDW 469-M01-12R	7/30/2004	51	--	--
SDW 469-M01-13BU	7/30/2004	32	--	--
SDW 469-M01-14BK	7/30/2004	31	--	--
SDW 469-M01-15W	7/30/2004	30	--	--
SDW 473-M01-01PT	9/28/1995	--	--	--
SDW 473-M01-02GNT	9/28/1995	73	0	--
SDW 473-M01-03RT	9/28/1995	75	1	--
SDW 473-M01-04BUT	9/28/1995	65	1	--
SDW 473-M01-05BKT	9/28/1995	90	1	--
SDW 473-M01-06WT	9/28/1995	61	1	--
SDW 473-M01-07O	9/28/1995	89	1	--
SDW 473-M01-08GY	9/28/1995	111	1	--
SDW 473-M01-09Y	9/28/1995	71	1	--
SDW 473-M01-10P	9/28/1995	37	0	--
SDW 473-M01-11GN	9/28/1995	17	0	--

Table 8. Concentrations of dissolved organic carbon, dissolved inorganic carbon, and ultraviolet/visible absorbance for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Source of data: Richard L. Smith, Larry B. Barber, and Deborah A. Repert, U.S. Geological Survey, National Research Program, Boulder, CO. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; µM, micromoles per liter; mM, millimoles per liter; nm, nanometer; --, no data]

Well or multilevel-sampler port	Date	Carbon, organic, dissolved, total (µM)	Carbon, inorganic, dissolved, total (mM)	Absorbance, filtered sample, 254-nm wavelength
SDW 473-M01-12R	9/28/1995	12	0	--
SDW 473-M01-13BU	9/28/1995	11	0	--
SDW 473-M01-14BK	9/28/1995	10	0	--
SDW 473-M01-15W	9/28/1995	12	0	--
SDW 473-M01-01PT	11/30/1995	--	--	--
SDW 473-M01-02GNT	11/30/1995	87	1	--
SDW 473-M01-03RT	11/30/1995	84	1	--
SDW 473-M01-04BUT	11/30/1995	72	1	--
SDW 473-M01-05BKT	11/30/1995	98	1	--
SDW 473-M01-06WT	11/30/1995	107	1	--
SDW 473-M01-07O	11/30/1995	79	1	--
SDW 473-M01-08GY	11/30/1995	92	1	--
SDW 473-M01-09Y	11/30/1995	60	0	--
SDW 473-M01-10P	11/30/1995	29	0	--
SDW 473-M01-11GN	11/30/1995	20	0	--
SDW 473-M01-12R	11/30/1995	21	0	--
SDW 473-M01-13BU	11/30/1995	21	0	--
SDW 473-M01-14BK	11/30/1995	19	0	--
SDW 473-M01-15W	11/30/1995	26	0	--
SDW 473-M01-01PT	1/24/1996	--	--	--
SDW 473-M01-02GNT	1/24/1996	106	0	--
SDW 473-M01-03RT	1/24/1996	113	1	--
SDW 473-M01-04BUT	1/24/1996	116	0	--
SDW 473-M01-05BKT	1/24/1996	102	0	--
SDW 473-M01-06WT	1/24/1996	74	0	--
SDW 473-M01-07O	1/24/1996	126	1	--
SDW 473-M01-08GY	1/24/1996	121	1	--
SDW 473-M01-09Y	1/24/1996	43	0	--
SDW 473-M01-10P	1/24/1996	30	0	--
SDW 473-M01-11GN	1/24/1996	22	0	--
SDW 473-M01-12R	1/24/1996	42	0	--
SDW 473-M01-13BU	1/24/1996	24	0	--
SDW 473-M01-14BK	1/24/1996	44	0	--
SDW 473-M01-15W	1/24/1996	41	0	--
SDW 473-M01-01PT	3/20/1996	190	0	--

Table 8. Concentrations of dissolved organic carbon, dissolved inorganic carbon, and ultraviolet/visible absorbance for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Carbon, organic, dissolved, total (µM)	Carbon, inorganic, dissolved, total (mM)	Absorbance, filtered sample, 254-nm wavelength
SDW 473-M01-02GNT	3/20/1996	74	0	--
SDW 473-M01-03RT	3/20/1996	101	1	--
SDW 473-M01-04BUT	3/20/1996	105	1	--
SDW 473-M01-05BKT	3/20/1996	94	1	--
SDW 473-M01-06WT	3/20/1996	61	0	--
SDW 473-M01-07O	3/20/1996	85	1	--
SDW 473-M01-08GY	3/20/1996	124	1	--
SDW 473-M01-09Y	3/20/1996	27	0	--
SDW 473-M01-10P	3/20/1996	14	0	--
SDW 473-M01-11GN	3/20/1996	11	0	--
SDW 473-M01-12R	3/20/1996	13	0	--
SDW 473-M01-13BU	3/20/1996	9	0	--
SDW 473-M01-14BK	3/20/1996	9	0	--
SDW 473-M01-15W	3/20/1996	12	0	--
SDW 473-M01-01PT	5/16/1996	60	0	--
SDW 473-M01-02GNT	5/16/1996	79	0	--
SDW 473-M01-03RT	5/16/1996	69	0	--
SDW 473-M01-04BUT	5/16/1996	65	0	--
SDW 473-M01-05BKT	5/16/1996	63	0	--
SDW 473-M01-06WT	5/16/1996	49	0	--
SDW 473-M01-07O	5/16/1996	87	0	--
SDW 473-M01-08GY	5/16/1996	69	0	--
SDW 473-M01-09Y	5/16/1996	31	0	--
SDW 473-M01-10P	5/16/1996	9	0	--
SDW 473-M01-11GN	5/16/1996	10	0	--
SDW 473-M01-12R	5/16/1996	7	0	--
SDW 473-M01-13BU	5/16/1996	3	0	--
SDW 473-M01-14BK	5/16/1996	11	0	--
SDW 473-M01-15W	5/16/1996	10	0	--
SDW 473-M01-01PT	7/26/1996	75	0	--
SDW 473-M01-02GNT	7/26/1996	82	0	--
SDW 473-M01-03RT	7/26/1996	60	0	--
SDW 473-M01-04BUT	7/26/1996	49	0	--
SDW 473-M01-05BKT	7/26/1996	40	0	--
SDW 473-M01-06WT	7/26/1996	46	0	--
SDW 473-M01-07O	7/26/1996	147	1	--

Table 8. Concentrations of dissolved organic carbon, dissolved inorganic carbon, and ultraviolet/visible absorbance for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Carbon, organic, dissolved, total (µM)	Carbon, inorganic, dissolved, total (mM)	Absorbance, filtered sample, 254-nm wavelength
SDW 473-M01-08GY	7/26/1996	112	0	--
SDW 473-M01-09Y	7/26/1996	73	0	--
SDW 473-M01-10P	7/26/1996	14	0	--
SDW 473-M01-11GN	7/26/1996	11	0	--
SDW 473-M01-12R	7/26/1996	10	0	--
SDW 473-M01-13BU	7/26/1996	10	0	--
SDW 473-M01-14BK	7/26/1996	8	0	--
SDW 473-M01-15W	7/26/1996	12	0	--
SDW 473-M01-01PT	11/5/1996	--	--	0
SDW 473-M01-02GNT	11/5/1996	--	--	0
SDW 473-M01-03RT	11/5/1996	259	0	0
SDW 473-M01-04BUT	11/5/1996	--	--	0
SDW 473-M01-04BUT-D	11/5/1996	--	--	--
SDW 473-M01-05BKT	11/5/1996	--	--	0
SDW 473-M01-06WT	11/5/1996	--	--	0
SDW 473-M01-07O	11/5/1996	78	0	0
SDW 473-M01-08GY	11/5/1996	129	1	0
SDW 473-M01-09Y	11/7/1996	99	0	0
SDW 473-M01-10P	11/7/1996	26	0	0
SDW 473-M01-11GN	11/7/1996	14	0	0
SDW 473-M01-12R	11/7/1996	10	0	0
SDW 473-M01-13BU	11/7/1996	25	0	0
SDW 473-M01-14BK	11/7/1996	15	0	0
SDW 473-M01-15W	11/7/1996	12	0	0
SDW 473-M01-01PT	2/18/1997	--	--	--
SDW 473-M01-02GNT	2/18/1997	--	--	--
SDW 473-M01-03RT	2/18/1997	--	--	--
SDW 473-M01-04BUT	2/18/1997	--	--	--
SDW 473-M01-05BKT	2/18/1997	--	--	--
SDW 473-M01-06WT	2/18/1997	--	--	--
SDW 473-M01-07O	2/18/1997	--	--	--
SDW 473-M01-08GY	2/18/1997	--	--	--
SDW 473-M01-08GY-D	2/18/1997	--	--	--
SDW 473-M01-09Y	2/18/1997	--	--	--
SDW 473-M01-10P	2/18/1997	--	--	--
SDW 473-M01-11GN	2/18/1997	--	--	--

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Well or multilevel-sampler port	Date	Carbon, organic, dissolved, total (µM)	Carbon, inorganic, dissolved, total (mM)	Absorbance, filtered sample, 254-nm wavelength
SDW 473-M01-12R	2/18/1997	--	--	--
SDW 473-M01-13BU	2/18/1997	--	--	--
SDW 473-M01-14BK	2/18/1997	--	--	--
SDW 473-M01-15W	2/18/1997	--	--	--
SDW 473-M01-01PT	5/14/1997	100	1	0
SDW 473-M01-02GNT	5/14/1997	89	1	0
SDW 473-M01-03RT	5/14/1997	60	1	0
SDW 473-M01-04BUT	5/14/1997	55	1	0
SDW 473-M01-05BKT	5/14/1997	60	1	0
SDW 473-M01-06WT	5/14/1997	90	1	0
SDW 473-M01-07O	5/14/1997	120	1	0
SDW 473-M01-08GY	5/14/1997	75	1	0
SDW 473-M01-09Y	5/14/1997	65	1	0
SDW 473-M01-10P	5/14/1997	117	0	0
SDW 473-M01-11GN	5/14/1997	21	0	0
SDW 473-M01-12R	5/14/1997	17	0	0
SDW 473-M01-12R-D	5/14/1997	--	--	--
SDW 473-M01-13BU	5/14/1997	17	0	0
SDW 473-M01-14BK	5/14/1997	16	0	0
SDW 473-M01-15W	5/14/1997	14	0	0
SDW 473-M01-01PT	8/14/1997	101	--	0
SDW 473-M01-02GNT	8/14/1997	114	--	0
SDW 473-M01-03RT	8/14/1997	58	--	0
SDW 473-M01-04BUT	8/14/1997	57	--	0
SDW 473-M01-05BKT	8/14/1997	58	--	0
SDW 473-M01-06WT	8/14/1997	75	--	0
SDW 473-M01-07O	8/14/1997	80	--	0
SDW 473-M01-08GY	8/14/1997	97	--	0
SDW 473-M01-09Y	8/14/1997	62	--	0
SDW 473-M01-10P	8/14/1997	31	--	0
SDW 473-M01-11GN	8/14/1997	26	--	0
SDW 473-M01-12R	8/14/1997	25	--	0
SDW 473-M01-13BU	8/14/1997	22	--	0
SDW 473-M01-14BK	8/14/1997	19	--	0
SDW 473-M01-15W	8/14/1997	20	--	--

Table 8. Concentrations of dissolved organic carbon, dissolved inorganic carbon, and ultraviolet/visible absorbance for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Source of data: Richard L. Smith, Larry B. Barber, and Deborah A. Repert, U.S. Geological Survey, National Research Program, Boulder, CO. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; µM, micromoles per liter; mM, millimoles per liter; nm, nanometer; --, no data]

Well or multilevel-sampler port	Date	Carbon, organic, dissolved, total (µM)	Carbon, inorganic, dissolved, total (mM)	Absorbance, filtered sample, 254-nm wavelength
SDW 473-M01-01PT	11/3/1997	95	--	0
SDW 473-M01-02GNT	11/3/1997	129	--	0
SDW 473-M01-03RT	11/3/1997	75	--	0
SDW 473-M01-04BUT	11/3/1997	58	--	0
SDW 473-M01-05BKT	11/3/1997	54	--	0
SDW 473-M01-06WT	11/3/1997	100	--	0
SDW 473-M01-07O	11/3/1997	82	--	0
SDW 473-M01-08GY	11/3/1997	75	--	0
SDW 473-M01-09Y	11/3/1997	96	--	0
SDW 473-M01-10P	11/3/1997	51	--	0
SDW 473-M01-11GN	11/3/1997	26	--	0
SDW 473-M01-12R	11/3/1997	31	--	0
SDW 473-M01-13BU	11/3/1997	25	--	0
SDW 473-M01-14BK	11/3/1997	20	--	0
SDW 473-M01-15W	11/3/1997	20	--	0
SDW 473-M01-01PT	5/12/1998	91	--	0
SDW 473-M01-02GNT	5/12/1998	97	0	0
SDW 473-M01-03RT	5/12/1998	96	1	0
SDW 473-M01-04BUT	5/12/1998	74	0	0
SDW 473-M01-05BKT	5/12/1998	49	0	0
SDW 473-M01-06WT	5/12/1998	64	1	0
SDW 473-M01-07O	5/12/1998	108	1	0
SDW 473-M01-08GY	5/12/1998	84	1	0
SDW 473-M01-09Y	5/12/1998	88	1	0
SDW 473-M01-10P	5/12/1998	36	0	0
SDW 473-M01-11GN	5/12/1998	18	0	0
SDW 473-M01-12R	5/12/1998	18	0	0
SDW 473-M01-13BU	5/12/1998	19	--	0
SDW 473-M01-14BK	5/12/1998	21	--	0
SDW 473-M01-15W	5/12/1998	23	--	0
SDW 473-M01-01PT	10/30/1998	78	--	0
SDW 473-M01-02GNT	10/30/1998	113	--	0
SDW 473-M01-03RT	10/30/1998	97	--	0
SDW 473-M01-04BUT	10/30/1998	80	--	0
SDW 473-M01-05BKT	10/30/1998	81	--	0
SDW 473-M01-06WT	10/30/1998	68	--	0

Table 8. Concentrations of dissolved organic carbon, dissolved inorganic carbon, and ultraviolet/visible absorbance for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Source of data: Richard L. Smith, Larry B. Barber, and Deborah A. Repert, U.S. Geological Survey, National Research Program, Boulder, CO. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; µM, micromoles per liter; mM, millimoles per liter; nm, nanometer; --, no data]

Well or multilevel-sampler port	Date	Carbon, organic, dissolved, total (µM)	Carbon, inorganic, dissolved, total (mM)	Absorbance, filtered sample, 254-nm wavelength
SDW 473-M01-07O	10/30/1998	51	--	0
SDW 473-M01-08GY	10/30/1998	34	--	0
SDW 473-M01-09Y	10/30/1998	28	--	0
SDW 473-M01-10P	10/30/1998	24	--	0
SDW 473-M01-11GN	10/30/1998	18	--	0
SDW 473-M01-12R	10/30/1998	13	--	0
SDW 473-M01-13BU	10/30/1998	21	--	0
SDW 473-M01-14BK	10/30/1998	16	--	0
SDW 473-M01-15W	10/30/1998	15	--	0
SDW 473-M01-01PT	6/28/1999	105	--	0
SDW 473-M01-02GNT	6/28/1999	83	--	0
SDW 473-M01-03RT	6/28/1999	58	--	0
SDW 473-M01-04BUT	6/28/1999	67	--	0
SDW 473-M01-05BKT	6/28/1999	83	--	0
SDW 473-M01-06WT	6/28/1999	85	--	0
SDW 473-M01-07O	6/28/1999	34	--	0
SDW 473-M01-08GY	6/28/1999	43	--	0
SDW 473-M01-09Y	6/28/1999	26	--	0
SDW 473-M01-10P	6/28/1999	20	--	0
SDW 473-M01-11GN	6/28/1999	16	--	0
SDW 473-M01-12R	6/28/1999	15	--	--
SDW 473-M01-13BU	6/28/1999	16	--	0
SDW 473-M01-14BK	6/28/1999	17	--	0
SDW 473-M01-15W	6/28/1999	na	--	0
SDW 473-M01-01PT	6/13/2000	90	--	0
SDW 473-M01-02GNT	6/13/2000	83	--	0
SDW 473-M01-03RT	6/13/2000	44	--	0
SDW 473-M01-04BUT	6/13/2000	44	--	0
SDW 473-M01-05BKT	6/13/2000	83	--	0
SDW 473-M01-06WT	6/13/2000	56	--	0
SDW 473-M01-07O	6/13/2000	51	--	0
SDW 473-M01-08GY	6/13/2000	26	--	0
SDW 473-M01-09Y	6/13/2000	22	--	0
SDW 473-M01-10P	6/13/2000	19	--	0
SDW 473-M01-11GN	6/13/2000	17	--	0
SDW 473-M01-12R	6/13/2000	17	--	0

Table 8. Concentrations of dissolved organic carbon, dissolved inorganic carbon, and ultraviolet/visible absorbance for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Source of data: Richard L. Smith, Larry B. Barber, and Deborah A. Repert, U.S. Geological Survey, National Research Program, Boulder, CO. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; µM, micromoles per liter; mM, millimoles per liter; nm, nanometer; --, no data]

Well or multilevel-sampler port	Date	Carbon, organic, dissolved, total (µM)	Carbon, inorganic, dissolved, total (mM)	Absorbance, filtered sample, 254-nm wavelength
SDW 473-M01-13BU	6/13/2000	17	--	0
SDW 473-M01-14BK	6/13/2000	16	--	0
SDW 473-M01-15W	6/13/2000	14	--	0
SDW 473-M01-01PT	8/13/2001	105	--	0
SDW 473-M01-02GNT	8/13/2001	133	--	0
SDW 473-M01-03RT	8/13/2001	86	--	0
SDW 473-M01-03RT-D	8/13/2001	78	--	0
SDW 473-M01-04BUT	8/13/2001	56	--	0
SDW 473-M01-05BKT	8/13/2001	53	--	0
SDW 473-M01-06WT	8/13/2001	49	--	0
SDW 473-M01-07O	8/13/2001	41	--	0
SDW 473-M01-08GY	8/13/2001	35	--	0
SDW 473-M01-09Y	8/13/2001	32	--	0
SDW 473-M01-10P	8/13/2001	24	--	0
SDW 473-M01-11GN	8/13/2001	17	--	0
SDW 473-M01-12R	8/13/2001	19	--	0
SDW 473-M01-13BU	8/13/2001	17	--	0
SDW 473-M01-14BK	8/13/2001	17	--	0
SDW 473-M01-15W	8/13/2001	38	--	0
SDW 473-M01-01PT	6/6/2002	--	--	--
SDW 473-M01-02GNT	6/6/2002	124	--	0
SDW 473-M01-03RT	6/6/2002	56	--	0
SDW 473-M01-04BUT	6/6/2002	44	--	0
SDW 473-M01-05BKT	6/6/2002	40	--	0
SDW 473-M01-06WT	6/6/2002	44	--	0
SDW 473-M01-07O	6/6/2002	47	--	0
SDW 473-M01-08GY	6/6/2002	27	--	0
SDW 473-M01-09Y	6/6/2002	24	--	0
SDW 473-M01-10P	6/6/2002	18	--	0
SDW 473-M01-11GN	6/6/2002	12	--	0
SDW 473-M01-12R	6/6/2002	15	--	0
SDW 473-M01-13BU	6/6/2002	13	--	0
SDW 473-M01-14BK	6/6/2002	14	--	0
SDW 473-M01-15W	6/6/2002	14	--	0
SDW 473-M01-01PT	5/16/2003	90	--	0

Table 8. Concentrations of dissolved organic carbon, dissolved inorganic carbon, and ultraviolet/visible absorbance for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Source of data: Richard L. Smith, Larry B. Barber, and Deborah A. Repert, U.S. Geological Survey, National Research Program, Boulder, CO. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; µM, micromoles per liter; mM, millimoles per liter; nm, nanometer; --, no data]

Well or multilevel-sampler port	Date	Carbon, organic, dissolved, total (µM)	Carbon, inorganic, dissolved, total (mM)	Absorbance, filtered sample, 254-nm wavelength
SDW 473-M01-02GNT	5/16/2003	136	--	0
SDW 473-M01-03RT	5/16/2003	142	--	0
SDW 473-M01-04BUT	5/16/2003	49	--	0
SDW 473-M01-05BKT	5/16/2003	42	--	0
SDW 473-M01-06WT	5/16/2003	45	--	0
SDW 473-M01-07O	5/16/2003	40	--	0
SDW 473-M01-08GY	5/16/2003	37	--	0
SDW 473-M01-09Y	5/16/2003	26	--	0
SDW 473-M01-10P	5/16/2003	21	--	0
SDW 473-M01-11GN	5/16/2003	19	--	0
SDW 473-M01-12R	5/16/2003	18	--	0
SDW 473-M01-13BU	5/16/2003	17	--	0
SDW 473-M01-14BK	5/16/2003	15	--	0
SDW 473-M01-15W	5/16/2003	16	--	0
SDW 473-M01-01PT	8/18/2004	95	--	--
SDW 473-M01-02GNT	8/18/2004	119	--	--
SDW 473-M01-03RT	8/18/2004	67	--	--
SDW 473-M01-04BUT	8/18/2004	54	--	--
SDW 473-M01-05BKT	8/18/2004	53	--	--
SDW 473-M01-06WT	8/18/2004	51	--	--
SDW 473-M01-07O	8/18/2004	41	--	--
SDW 473-M01-08GY	8/18/2004	40	--	--
SDW 473-M01-08GY-D	8/18/2004	39	--	--
SDW 473-M01-09Y	8/18/2004	38	--	--
SDW 473-M01-10P	8/18/2004	30	--	--
SDW 473-M01-11GN	8/18/2004	31	--	--
SDW 473-M01-12R	8/18/2004	33	--	--
SDW 473-M01-13BU	8/18/2004	31	--	--
SDW 473-M01-14BK	8/18/2004	28	--	--
SDW 473-M01-15W	8/18/2004	28	--	--
SDW 474-M01-01PT	9/22/1995	--	--	--
SDW 474-M01-02GNT	9/22/1995	70	0	--
SDW 474-M01-03RT	9/22/1995	52	0	--
SDW 474-M01-04BUT	9/22/1995	51	0	--
SDW 474-M01-05BKT	9/22/1995	68	0	--
SDW 474-M01-06WT	9/22/1995	69	0	--

Table 8. Concentrations of dissolved organic carbon, dissolved inorganic carbon, and ultraviolet/visible absorbance for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Carbon, organic, dissolved, total (µM)	Carbon, inorganic, dissolved, total (mM)	Absorbance, filtered sample, 254-nm wavelength
SDW 474-M01-07O	9/22/1995	42	0	--
SDW 474-M01-08GY	9/22/1995	36	0	--
SDW 474-M01-09Y	9/22/1995	36	0	--
SDW 474-M01-10P	9/22/1995	36	0	--
SDW 474-M01-11GN	9/22/1995	30	0	--
SDW 474-M01-12R	9/22/1995	29	0	--
SDW 474-M01-13BU	9/22/1995	31	0	--
SDW 474-M01-14BK	9/22/1995	31	0	--
SDW 474-M01-15W	9/22/1995	36	0	--
SDW 474-M01-01PT	11/30/1995	--	--	--
SDW 474-M01-02GNT	11/30/1995	116	0	--
SDW 474-M01-03RT	11/30/1995	75	0	--
SDW 474-M01-04BUT	11/30/1995	52	0	--
SDW 474-M01-05BKT	11/30/1995	69	0	--
SDW 474-M01-06WT	11/30/1995	80	0	--
SDW 474-M01-07O	11/30/1995	39	0	--
SDW 474-M01-08GY	11/30/1995	37	0	--
SDW 474-M01-09Y	11/30/1995	38	0	--
SDW 474-M01-10P	11/30/1995	39	0	--
SDW 474-M01-11GN	11/30/1995	30	0	--
SDW 474-M01-12R	11/30/1995	30	0	--
SDW 474-M01-13BU	11/30/1995	31	0	--
SDW 474-M01-14BK	11/30/1995	34	0	--
SDW 474-M01-15W	11/30/1995	35	0	--
SDW 474-M01-01PT	1/26/1996	--	--	--
SDW 474-M01-02GNT	1/26/1996	93	0	--
SDW 474-M01-03RT	1/26/1996	70	0	--
SDW 474-M01-04BUT	1/26/1996	59	0	--
SDW 474-M01-05BKT	1/26/1996	87	1	--
SDW 474-M01-06WT	1/26/1996	93	1	--
SDW 474-M01-07O	1/26/1996	95	1	--
SDW 474-M01-08GY	1/26/1996	31	0	--
SDW 474-M01-09Y	1/26/1996	23	0	--
SDW 474-M01-10P	1/26/1996	37	0	--
SDW 474-M01-11GN	1/26/1996	22	0	--
SDW 474-M01-12R	1/26/1996	24	0	--

Table 8. Concentrations of dissolved organic carbon, dissolved inorganic carbon, and ultraviolet/visible absorbance for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Carbon, organic, dissolved, total (µM)	Carbon, inorganic, dissolved, total (mM)	Absorbance, filtered sample, 254-nm wavelength
SDW 474-M01-13BU	1/26/1996	20	0	--
SDW 474-M01-14BK	1/26/1996	32	0	--
SDW 474-M01-15W	1/26/1996	31	0	--
SDW 474-M01-01PT	3/22/1996	93	0	--
SDW 474-M01-02GNT	3/22/1996	68	0	--
SDW 474-M01-03RT	3/22/1996	42	0	--
SDW 474-M01-04BUT	3/22/1996	34	0	--
SDW 474-M01-05BKT	3/22/1996	34	0	--
SDW 474-M01-06WT	3/22/1996	59	0	--
SDW 474-M01-07O	3/22/1996	27	0	--
SDW 474-M01-08GY	3/22/1996	15	0	--
SDW 474-M01-09Y	3/22/1996	18	0	--
SDW 474-M01-10P	3/22/1996	11	0	--
SDW 474-M01-11GN	3/22/1996	10	0	--
SDW 474-M01-12R	3/22/1996	5	0	--
SDW 474-M01-13BU	3/22/1996	5	0	--
SDW 474-M01-14BK	3/22/1996	4	0	--
SDW 474-M01-15W	3/22/1996	6	0	--
SDW 474-M01-01PT	5/16/1996	103	0	--
SDW 474-M01-02GNT	5/16/1996	75	0	--
SDW 474-M01-03RT	5/16/1996	48	0	--
SDW 474-M01-04BUT	5/16/1996	42	0	--
SDW 474-M01-05BKT	5/16/1996	42	0	--
SDW 474-M01-06WT	5/16/1996	60	0	--
SDW 474-M01-07O	5/16/1996	41	0	--
SDW 474-M01-08GY	5/16/1996	16	0	--
SDW 474-M01-09Y	5/16/1996	15	0	--
SDW 474-M01-10P	5/16/1996	11	0	--
SDW 474-M01-11GN	5/16/1996	12	0	--
SDW 474-M01-12R	5/16/1996	10	0	--
SDW 474-M01-13BU	5/16/1996	8	0	--
SDW 474-M01-14BK	5/16/1996	10	0	--
SDW 474-M01-15W	5/16/1996	8	0	--
SDW 474-M01-01PT	7/30/1996	63	0	--
SDW 474-M01-02GNT	7/30/1996	54	0	--

Table 8. Concentrations of dissolved organic carbon, dissolved inorganic carbon, and ultraviolet/visible absorbance for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Carbon, organic, dissolved, total (µM)	Carbon, inorganic, dissolved, total (mM)	Absorbance, filtered sample, 254-nm wavelength
SDW 474-M01-03RT	7/30/1996	39	0	--
SDW 474-M01-04BUT	7/30/1996	38	0	--
SDW 474-M01-05BKT	7/30/1996	55	0	--
SDW 474-M01-06WT	7/30/1996	52	0	--
SDW 474-M01-07O	7/30/1996	25	0	--
SDW 474-M01-08GY	7/30/1996	14	0	--
SDW 474-M01-09Y	7/30/1996	14	0	--
SDW 474-M01-10P	7/30/1996	12	0	--
SDW 474-M01-11GN	7/30/1996	8	0	--
SDW 474-M01-12R	7/30/1996	5	0	--
SDW 474-M01-13BU	7/30/1996	9	0	--
SDW 474-M01-14BK	7/30/1996	--	0	--
SDW 474-M01-15W	7/30/1996	--	0	--
SDW 474-M01-01PT	11/7/1996	88	0	0
SDW 474-M01-02GNT	11/7/1996	88	0	0
SDW 474-M01-03RT	11/7/1996	66	0	0
SDW 474-M01-04BUT	11/7/1996	42	0	0
SDW 474-M01-05BKT	11/7/1996	28	0	0
SDW 474-M01-06WT	11/7/1996	46	0	0
SDW 474-M01-07O	11/7/1996	68	0	--
SDW 474-M01-08GY	11/7/1996	11	0	--
SDW 474-M01-09Y	11/7/1996	11	0	--
SDW 474-M01-10P	11/7/1996	7	0	--
SDW 474-M01-11GN	11/7/1996	5	0	--
SDW 474-M01-12R	11/7/1996	37	0	--
SDW 474-M01-13BU	11/7/1996	6	0	--
SDW 474-M01-14BK	11/7/1996	22	0	--
SDW 474-M01-15W	11/7/1996	13	0	--
SDW 474-M01-01PT	5/8/1997	97	0	0
SDW 474-M01-02GNT	5/8/1997	68	1	0
SDW 474-M01-03RT	5/8/1997	49	1	0
SDW 474-M01-04BUT	5/8/1997	43	1	0
SDW 474-M01-05BKT	5/8/1997	47	1	0
SDW 474-M01-06WT	5/8/1997	57	1	0
SDW 474-M01-07O	5/8/1997	50	1	0
SDW 474-M01-08GY	5/8/1997	21	0	0

Table 8. Concentrations of dissolved organic carbon, dissolved inorganic carbon, and ultraviolet/visible absorbance for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Carbon, organic, dissolved, total (µM)	Carbon, inorganic, dissolved, total (mM)	Absorbance, filtered sample, 254-nm wavelength
SDW 474-M01-09Y	5/8/1997	20	0	0
SDW 474-M01-10P	5/8/1997	20	0	0
SDW 474-M01-11GN	5/8/1997	14	0	0
SDW 474-M01-12R	5/8/1997	14	0	0
SDW 474-M01-13BU	5/8/1997	13	0	0
SDW 474-M01-14BK	5/8/1997	15	0	0
SDW 474-M01-15W	5/8/1997	28	0	0
SDW 474-M01-01PT	8/14/1997	123	--	0
SDW 474-M01-02GNT	8/14/1997	62	--	0
SDW 474-M01-03RT	8/14/1997	56	--	0
SDW 474-M01-04BUT	8/14/1997	54	--	0
SDW 474-M01-05BKT	8/14/1997	51	--	0
SDW 474-M01-06WT	8/14/1997	46	--	0
SDW 474-M01-07O	8/14/1997	57	--	0
SDW 474-M01-08GY	8/14/1997	38	--	0
SDW 474-M01-09Y	8/14/1997	22	--	0
SDW 474-M01-10P	8/14/1997	23	--	0
SDW 474-M01-11GN	8/14/1997	17	--	0
SDW 474-M01-12R	8/14/1997	18	--	0
SDW 474-M01-13BU	8/14/1997	18	--	0
SDW 474-M01-14BK	8/14/1997	21	--	0
SDW 474-M01-15W	8/14/1997	20	--	0
SDW 474-M01-01PT	10/30/1997	68	0	0
SDW 474-M01-02GNT	10/30/1997	57	0	0
SDW 474-M01-03RT	10/30/1997	50	0	0
SDW 474-M01-04BUT	10/30/1997	51	0	0
SDW 474-M01-05BKT	10/30/1997	43	0	0
SDW 474-M01-06WT	10/30/1997	53	0	0
SDW 474-M01-07O	10/30/1997	55	0	0
SDW 474-M01-08GY	10/30/1997	47	0	0
SDW 474-M01-09Y	10/30/1997	19	0	0
SDW 474-M01-10P	10/30/1997	15	0	0
SDW 474-M01-11GN	10/30/1997	14	0	0
SDW 474-M01-12R	10/30/1997	13	0	0
SDW 474-M01-13BU	10/30/1997	15	0	0
SDW 474-M01-14BK	10/30/1997	17	0	0

Table 8. Concentrations of dissolved organic carbon, dissolved inorganic carbon, and ultraviolet/visible absorbance for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Source of data: Richard L. Smith, Larry B. Barber, and Deborah A. Repert, U.S. Geological Survey, National Research Program, Boulder, CO. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; µM, micromoles per liter; mM, millimoles per liter; nm, nanometer; --, no data]

Well or multilevel-sampler port	Date	Carbon, organic, dissolved, total (µM)	Carbon, inorganic, dissolved, total (mM)	Absorbance, filtered sample, 254-nm wavelength
SDW 474-M01-15W	10/30/1997	18	0	0
SDW 474-M01-01PT	5/18/1998	173	0	0
SDW 474-M01-02GNT	5/18/1998	61	0	0
SDW 474-M01-03RT	5/18/1998	49	0	0
SDW 474-M01-04BUT	5/18/1998	48	0	0
SDW 474-M01-05BKT	5/18/1998	43	0	0
SDW 474-M01-06WT	5/18/1998	52	0	0
SDW 474-M01-07O	5/18/1998	55	0	0
SDW 474-M01-08GY	5/18/1998	26	0	0
SDW 474-M01-09Y	5/18/1998	23	0	0
SDW 474-M01-10P	5/18/1998	19	0	0
SDW 474-M01-11GN	5/18/1998	15	0	0
SDW 474-M01-12R	5/18/1998	17	0	0
SDW 474-M01-13BU	5/18/1998	15	0	0
SDW 474-M01-14BK	5/18/1998	17	0	0
SDW 474-M01-15W	5/18/1998	15	0	0
SDW 474-M01-01PT	11/4/1998	14	--	0
SDW 474-M01-02GNT	11/4/1998	73	--	0
SDW 474-M01-03RT	11/4/1998	71	--	0
SDW 474-M01-04BUT	11/4/1998	58	--	0
SDW 474-M01-05BKT	11/4/1998	54	--	0
SDW 474-M01-06WT	11/4/1998	61	--	0
SDW 474-M01-07O	11/4/1998	60	--	0
SDW 474-M01-08GY	11/4/1998	35	--	0
SDW 474-M01-09Y	11/4/1998	20	--	0
SDW 474-M01-10P	11/4/1998	18	--	0
SDW 474-M01-11GN	11/4/1998	17	--	0
SDW 474-M01-12R	11/4/1998	12	--	0
SDW 474-M01-13BU	11/4/1998	14	--	0
SDW 474-M01-14BK	11/4/1998	16	--	0
SDW 474-M01-15W	11/4/1998	13	--	0
SDW 474-M01-01PT	6/16/1999	88	--	0
SDW 474-M01-02GNT	6/16/1999	44	--	0
SDW 474-M01-03RT	6/16/1999	39	--	0
SDW 474-M01-04BUT	6/16/1999	46	--	0

Table 8. Concentrations of dissolved organic carbon, dissolved inorganic carbon, and ultraviolet/visible absorbance for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Source of data: Richard L. Smith, Larry B. Barber, and Deborah A. Repert, U.S. Geological Survey, National Research Program, Boulder, CO. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; µM, micromoles per liter; mM, millimoles per liter; nm, nanometer; --, no data]

Well or multilevel-sampler port	Date	Carbon, organic, dissolved, total (µM)	Carbon, inorganic, dissolved, total (mM)	Absorbance, filtered sample, 254-nm wavelength
SDW 474-M01-05BKT	6/16/1999	64	--	0
SDW 474-M01-06WT	6/16/1999	88	--	0
SDW 474-M01-07O	6/16/1999	--	--	--
SDW 474-M01-08GY	6/16/1999	26	--	0
SDW 474-M01-09Y	6/16/1999	20	--	0
SDW 474-M01-10P	6/16/1999	24	--	0
SDW 474-M01-11GN	6/16/1999	18	--	0
SDW 474-M01-12R	6/16/1999	15	--	0
SDW 474-M01-13BU	6/16/1999	--	--	--
SDW 474-M01-14BK	6/16/1999	16	--	0
SDW 474-M01-15W	6/16/1999	15	--	0
SDW 474-M01-01PT	6/12/2000	193	--	0
SDW 474-M01-02GNT	6/12/2000	56	--	0
SDW 474-M01-03RT	6/12/2000	44	--	0
SDW 474-M01-04BUT	6/12/2000	56	--	0
SDW 474-M01-05BKT	6/12/2000	87	--	0
SDW 474-M01-06WT	6/12/2000	36	--	0
SDW 474-M01-07O	6/12/2000	21	--	0
SDW 474-M01-08GY	6/12/2000	21	--	0
SDW 474-M01-09Y	6/12/2000	19	--	0
SDW 474-M01-10P	6/12/2000	19	--	0
SDW 474-M01-11GN	6/12/2000	16	--	0
SDW 474-M01-12R	6/12/2000	12	--	0
SDW 474-M01-13BU	6/12/2000	14	--	0
SDW 474-M01-14BK	6/12/2000	15	--	0
SDW 474-M01-15W	6/12/2000	13	--	0
SDW 474-M01-01PT	6/17/2002	--	--	--
SDW 474-M01-02GNT	6/17/2002	111	--	0
SDW 474-M01-03RT	6/17/2002	41	--	0
SDW 474-M01-04BUT	6/17/2002	37	--	0
SDW 474-M01-05BKT	6/17/2002	34	--	0
SDW 474-M01-06WT	6/17/2002	42	--	0
SDW 474-M01-07O	6/17/2002	45	--	0
SDW 474-M01-08GY	6/17/2002	19	--	0
SDW 474-M01-09Y	6/17/2002	23	--	0
SDW 474-M01-10P	6/17/2002	13	--	0

Table 8. Concentrations of dissolved organic carbon, dissolved inorganic carbon, and ultraviolet/visible absorbance for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Source of data: Richard L. Smith, Larry B. Barber, and Deborah A. Repert, U.S. Geological Survey, National Research Program, Boulder, CO. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; µM, micromoles per liter; mM, millimoles per liter; nm, nanometer; --, no data]

Well or multilevel-sampler port	Date	Carbon, organic, dissolved, total (µM)	Carbon, inorganic, dissolved, total (mM)	Absorbance, filtered sample, 254-nm wavelength
SDW 474-M01-11GN	6/17/2002	20	--	0
SDW 474-M01-12R	6/17/2002	12	--	0
SDW 474-M01-13BU	6/17/2002	16	--	0
SDW 474-M01-14BK	6/17/2002	na	--	--
SDW 474-M01-15W	6/17/2002	16	--	0
SDW 474-M01-01PT	5/30/2003	131	--	0
SDW 474-M01-02GNT	5/30/2003	88	--	0
SDW 474-M01-03RT	5/30/2003	52	--	0
SDW 474-M01-04BUT	5/30/2003	48	--	0
SDW 474-M01-05BKT	5/30/2003	32	--	0
SDW 474-M01-06WT	5/30/2003	31	--	0
SDW 474-M01-07O	5/30/2003	27	--	0
SDW 474-M01-08GY	5/30/2003	24	--	0
SDW 474-M01-09Y	5/30/2003	19	--	0
SDW 474-M01-10P	5/30/2003	21	--	0
SDW 474-M01-11GN	5/30/2003	20	--	0
SDW 474-M01-12R	5/30/2003	17	--	0
SDW 474-M01-13BU	5/30/2003	15	--	0
SDW 474-M01-14BK	5/30/2003	14	--	0
SDW 474-M01-15W	5/30/2003	16	--	0
SDW 474-M01-01PT	8/26/2004	94	--	--
SDW 474-M01-02GNT	8/26/2004	71	--	--
SDW 474-M01-03RT	8/26/2004	41	--	--
SDW 474-M01-04BUT	8/26/2004	44	--	--
SDW 474-M01-05BKT	8/26/2004	42	--	--
SDW 474-M01-06WT	8/26/2004	38	--	--
SDW 474-M01-07O	8/26/2004	34	--	--
SDW 474-M01-08GY	8/26/2004	38	--	--
SDW 474-M01-09Y	8/26/2004	38	--	--
SDW 474-M01-09Y-D	8/26/2004	34	--	--
SDW 474-M01-10P	8/26/2004	34	--	--
SDW 474-M01-11GN	8/26/2004	24	--	--
SDW 474-M01-12R	8/26/2004	18	--	--
SDW 474-M01-13BU	8/26/2004	28	--	--
SDW 474-M01-14BK	8/26/2004	22	--	--
SDW 474-M01-15W	8/26/2004	17	--	--

Table 8. Concentrations of dissolved organic carbon, dissolved inorganic carbon, and ultraviolet/visible absorbance for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Source of data: Richard L. Smith, Larry B. Barber, and Deborah A. Repert, U.S. Geological Survey, National Research Program, Boulder, CO. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; µM, micromoles per liter; mM, millimoles per liter; nm, nanometer; --, no data]

Well or multilevel-sampler port	Date	Carbon, organic, dissolved, total (µM)	Carbon, inorganic, dissolved, total (mM)	Absorbance, filtered sample, 254-nm wavelength
SDW 521-M01-01PT	8/14/2001	148	--	0
SDW 521-M01-02GNT	8/14/2001	118	--	0
SDW 521-M01-03RT	8/14/2001	107	--	0
SDW 521-M01-04BUT	8/14/2001	58	--	0
SDW 521-M01-05BKT	8/14/2001	75	--	0
SDW 521-M01-06WT	8/14/2001	56	--	0
SDW 521-M01-07O	8/14/2001	65	--	0
SDW 521-M01-08GY	8/14/2001	41	--	0
SDW 521-M01-09Y	8/14/2001	50	--	0
SDW 521-M01-10P	8/14/2001	30	--	0
SDW 521-M01-11GN	8/14/2001	24	--	0
SDW 521-M01-12R	8/14/2001	25	--	0
SDW 521-M01-13BU	8/14/2001	39	--	0
SDW 521-M01-13BU-D	8/14/2001	22	--	0
SDW 521-M01-14BK	8/14/2001	19	--	0
SDW 521-M01-15W	8/14/2001	20	--	0
SDW 521-M01-02GNT	6/17/2002	106	--	0
SDW 521-M01-03RT	6/17/2002	89	--	0
SDW 521-M01-04BUT	6/17/2002	52	--	0
SDW 521-M01-05BKT	6/17/2002	52	--	0
SDW 521-M01-06WT	6/17/2002	118	--	0
SDW 521-M01-07O	6/17/2002	50	--	0
SDW 521-M01-08GY	6/17/2002	41	--	0
SDW 521-M01-08GY-D	6/17/2002	43	--	0
SDW 521-M01-09Y	6/17/2002	33	--	0
SDW 521-M01-10P	6/17/2002	56	--	0
SDW 521-M01-10P-D	6/17/2002	27	--	0
SDW 521-M01-11GN	6/17/2002	--	--	--
SDW 521-M01-12R	6/17/2002	16	--	0
SDW 521-M01-13BU	6/17/2002	17	--	0
SDW 521-M01-14BK	6/17/2002	38	--	0
SDW 521-M01-15W	6/17/2002	32	--	0
SDW 521-M01-01PT	6/3/2003	344	--	0
SDW 521-M01-02GNT	6/3/2003	98	--	0
SDW 521-M01-03RT	6/3/2003	141	--	0

Table 8. Concentrations of dissolved organic carbon, dissolved inorganic carbon, and ultraviolet/visible absorbance for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Massachusetts, 1994-2004.

[Source of data: Richard L. Smith, Larry B. Barber, and Deborah A. Repert, U.S. Geological Survey, National Research Program, Boulder, CO. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; µM, micromoles per liter; mM, millimoles per liter; nm, nanometer; --, no data]

Well or multilevel-sampler port	Date	Carbon, organic, dissolved, total (µM)	Carbon, inorganic, dissolved, total (mM)	Absorbance, filtered sample, 254-nm wavelength
SDW 521-M01-04BUT	6/3/2003	69	--	0
SDW 521-M01-05BKT	6/3/2003	45	--	0
SDW 521-M01-06WT	6/3/2003	41	--	0
SDW 521-M01-07O	6/3/2003	58	--	0
SDW 521-M01-08GY	6/3/2003	55	--	0
SDW 521-M01-09Y	6/3/2003	33	--	0
SDW 521-M01-10P	6/3/2003	21	--	0
SDW 521-M01-11GN	6/3/2003	20	--	0
SDW 521-M01-12R	6/3/2003	20	--	0
SDW 521-M01-13BU	6/3/2003	17	--	0
SDW 521-M01-14BK	6/3/2003	22	--	0
SDW 521-M01-15W	6/3/2003	20	--	0
SDW 521-M01-01PT	7/26/2004	--	--	--
SDW 521-M01-02GNT	7/26/2004	--	--	--
SDW 521-M01-03RT	7/26/2004	--	--	--
SDW 521-M01-04BUT	7/26/2004	--	--	--
SDW 521-M01-05BKT	7/26/2004	--	--	--
SDW 521-M01-06WT	7/26/2004	--	--	--
SDW 521-M01-07O	7/26/2004	--	--	--
SDW 521-M01-08GY	7/26/2004	--	--	--
SDW 521-M01-09Y	7/26/2004	--	--	--
SDW 521-M01-10P	7/26/2004	--	--	--
SDW 521-M01-10P-D	7/26/2004	--	--	--
SDW 521-M01-11GN	7/26/2004	--	--	--
SDW 521-M01-12R	7/26/2004	--	--	--
SDW 521-M01-13BU	7/26/2004	--	--	--
SDW 521-M01-14BK	7/26/2004	--	--	--
SDW 521-M01-15W	7/26/2004	--	--	--

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994–2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
FSW 343-M01-01PT	11/29/1994	<1.85	--	22.2	--	145	--	--	<0.19	<0.10
FSW 343-M01-02GNT	11/29/1994	<1.85	--	11.6	--	120	--	--	<0.19	<0.10
FSW 343-M01-03RT	11/29/1994	<1.85	--	8.8	--	79	--	--	<0.19	<0.10
FSW 343-M01-04BUT	11/29/1994	<1.85	--	4.1	--	84	--	--	<0.19	<0.10
FSW 343-M01-05BKT	11/29/1994	<1.85	--	3.8	--	123	--	--	<0.19	<0.10
FSW 343-M01-06WT	11/29/1994	<1.85	--	2.3	--	85	--	--	<0.19	<0.10
FSW 343-M01-06WT-D	11/29/1994	<1.85	--	2.5	--	90	--	--	<0.19	<0.10
FSW 343-M01-07O	11/29/1994	<1.85	--	2.4	--	102	--	--	<0.19	<0.10
FSW 343-M01-08GY	11/29/1994	<1.85	--	1.9	--	150	--	--	<0.19	<0.10
FSW 343-M01-09Y	11/29/1994	<1.85	--	1.1	--	68	--	--	<0.19	<0.10
FSW 343-M01-10P	11/29/1994	<1.85	--	1.3	--	94	--	--	<0.19	<0.10
FSW 343-M01-11GN	11/29/1994	<1.85	--	1.3	--	87	--	--	<0.19	<0.10
FSW 343-M01-12R	11/29/1994	<1.85	--	1.2	--	82	--	--	<0.19	<0.10
FSW 343-M01-13BU	11/29/1994	<1.85	--	1.6	--	100	--	--	<0.19	<0.10
FSW 343-M01-14BK	11/29/1994	<1.85	--	1.3	--	99	--	--	<0.19	<0.10
FSW 343-M02-01PT	11/29/1994	<1.85	--	33.8	--	377	--	--	<0.19	0.48
FSW 343-M02-02GNT	11/29/1994	<1.85	--	37.9	--	469	--	--	<0.19	0.16
FSW 343-M02-03RT	11/29/1994	<1.85	--	35.8	--	457	--	--	<0.19	0.13
FSW 343-M02-04BUT	11/29/1994	<1.85	--	31.5	--	357	--	--	<0.19	0.12
FSW 343-M02-05BKT	11/29/1994	<1.85	--	30.7	--	333	--	--	<0.19	0.14
FSW 343-M02-06WT	11/29/1994	<1.85	--	33.3	--	319	--	--	<0.19	<0.10
FSW 343-M02-07O	11/29/1994	<1.85	--	39.6	--	323	--	--	<0.19	<0.10
FSW 343-M02-07O-D	11/29/1994	<1.85	--	39.4	--	315	--	--	<0.19	<0.10
FSW 343-M02-08GY	11/29/1994	<1.85	--	37.1	--	209	--	--	<0.19	<0.10
FSW 343-M02-09Y	11/29/1994	<1.85	--	34.6	--	267	--	--	<0.19	<0.10

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
FSW 343-M02-10P	11/29/1994	<1.85	--	31.7	--	175	--	--	<0.19	<0.10
FSW 343-M02-11GN	11/29/1994	<1.85	--	30.4	--	191	--	--	<0.19	<0.10
FSW 343-M02-12R	11/29/1994	<1.85	--	27.3	--	235	--	--	<0.19	<0.10
FSW 343-M02-13BU	11/29/1994	<1.85	--	21.3	--	176	--	--	<0.19	<0.10
FSW 343-M02-14BK	11/29/1994	<1.85	--	15.6	--	139	--	--	<0.19	<0.10
FSW 343-M02-15W	11/29/1994	<1.85	--	9.9	--	264	--	--	<0.19	<0.10
FSW 343-M03-02GNT (1-19)	11/29/1994	<1.85	--	2.4	--	71	--	--	<0.19	<0.10
FSW 343-M03-03RT (1-19)	11/29/1994	<1.85	--	0.8	--	32	--	--	<0.19	<0.10
FSW 343-M03-04BUT (1-19)	11/29/1994	<1.85	--	7.8	--	198	--	--	<0.19	<0.10
FSW 343-M03-05BKT (1-19)	11/30/1994	<1.85	--	12.2	--	325	--	--	<0.19	<0.10
FSW 343-M03-06WT (1-19)	11/30/1994	<1.85	--	15.1	--	396	--	--	<0.19	<0.10
FSW 343-M03-07O (1-19)	11/30/1994	<1.85	--	17.1	--	340	--	--	<0.19	0.14
FSW 343-M03-08GY (1-19)	11/30/1994	<1.85	--	18.9	--	365	--	--	<0.19	0.15
FSW 343-M03-09Y (1-19)	11/30/1994	<1.85	--	21.3	--	369	--	--	<0.19	0.14
FSW 343-M03-09Y (1-19)-D	11/30/1994	<1.85	--	21.2	--	367	--	--	<0.19	0.12
FSW 343-M03-10P (1-19)	11/30/1994	<1.85	--	26.4	--	337	--	--	<0.19	0.14
FSW 343-M03-11GN (1-19)	11/30/1994	<1.85	--	29.7	--	367	--	--	<0.19	<0.10
FSW 343-M03-12R (1-19)	11/30/1994	<1.85	--	32.7	--	423	--	--	<0.19	<0.10
FSW 343-M03-13BU (1-19)	11/29/1994	<1.85	--	34.6	--	464	--	--	<0.19	<0.10
FSW 343-M03-14BK (1-19)	11/29/1994	<1.85	--	37.8	--	540	--	--	<0.19	<0.10
FSW 343-M03-15W (1-19)	11/29/1994	<1.85	--	1.7	--	124	--	--	<0.19	<0.10
FSW 343-M03-15W (1-19)-D	11/29/1994	<1.85	--	37.4	--	522	--	--	<0.19	<0.10
FSW 343-M01-01PT	6/18/1996	<1.85	--	13.7	--	229	--	--	<0.19	<0.10
FSW 343-M01-02GNT	6/18/1996	<1.85	--	11.6	--	253	--	--	<0.19	<0.10

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
FSW 343-M01-03RT	6/18/1996	<1.85	--	12.2	--	73	--	--	<0.19	<0.10
FSW 343-M01-04BUT	6/18/1996	<1.85	--	12.2	--	16	--	--	<0.19	<0.10
FSW 343-M01-05BKT	6/18/1996	<1.85	--	9.9	--	69	--	--	<0.19	<0.10
FSW 343-M01-06WT	6/18/1996	<1.85	--	4.0	--	68	--	--	<0.19	<0.10
FSW 343-M01-07O	6/18/1996	<1.85	--	3.3	--	72	--	--	<0.19	<0.10
FSW 343-M01-08GY	6/18/1996	<1.85	--	2.1	--	91	--	--	<0.19	<0.10
FSW 343-M01-08GY-D	6/18/1996	<1.85	--	2.2	--	88	--	--	<0.19	<0.10
FSW 343-M01-09Y	6/18/1996	<1.85	--	1.6	--	104	--	--	<0.19	<0.10
FSW 343-M01-10P	6/18/1996	<1.85	--	1.0	--	92	--	--	<0.19	<0.10
FSW 343-M01-11GN	6/18/1996	<1.85	--	1.3	--	86	--	--	<0.19	<0.10
FSW 343-M01-12R	6/18/1996	<1.85	--	1.4	--	87	--	--	<0.19	<0.10
FSW 343-M01-14BK	6/18/1996	<1.85	--	1.2	--	95	--	--	<0.19	<0.10
FSW 343-M01-15W	6/18/1996	<1.85	--	1.8	--	88	--	--	<0.19	<0.10
FSW 343-M02-01PT	6/17/1996	<1.85	--	35.6	--	792	--	--	<0.19	0.13
FSW 343-M02-02GNT	6/17/1996	<1.85	--	36.5	--	792	--	--	<0.19	0.11
FSW 343-M02-02GNT-D	6/17/1996	<1.85	--	37.6	--	819	--	--	<0.19	<0.10
FSW 343-M02-03RT	6/17/1996	<1.85	--	38.2	--	748	--	--	<0.19	0.12
FSW 343-M02-04BUT	6/18/1996	<1.85	--	39.3	--	602	--	--	<0.19	0.16
FSW 343-M02-05BKT	6/18/1996	<1.85	--	40.3	--	660	--	--	<0.19	0.16
FSW 343-M02-06WT	6/18/1996	<1.85	--	36.7	--	602	--	--	<0.19	0.10
FSW 343-M02-07O	6/18/1996	<1.85	--	36.5	--	515	--	--	<0.19	<0.10
FSW 343-M02-08GY	6/18/1996	<1.85	--	35.8	--	432	--	--	<0.19	<0.10
FSW 343-M02-09Y	6/18/1996	<1.85	--	32.7	--	155	--	--	<0.19	<0.10
FSW 343-M02-10P	6/18/1996	<1.85	--	29.2	--	207	--	--	<0.19	<0.10
FSW 343-M02-11GN	6/18/1996	<1.85	--	31.1	--	177	--	--	<0.19	<0.10

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
FSW 343-M02-11GN-D	6/18/1996	<1.85	--	29.3	--	173	--	--	<0.19	<0.10
FSW 343-M02-12R	6/18/1996	<1.85	--	22.1	--	200	--	--	<0.19	<0.10
FSW 343-M02-13BU	6/18/1996	<1.85	--	22.8	--	483	--	--	<0.19	<0.10
FSW 343-M02-14BK	6/18/1996	<1.85	--	15.8	--	379	--	--	<0.19	<0.10
FSW 343-M02-15W	6/18/1996	<1.85	--	16.8	--	405	--	--	<0.19	<0.10
FSW 343-M03-01PT (1-19)	6/17/1996	<1.85	--	1.5	--	29	--	--	<0.19	<0.10
FSW 343-M03-01PT (1-19)-R	6/17/1996	<1.85	--	1.5	--	28	--	--	<0.19	<0.10
FSW 343-M03-02GNT (1-19)	6/17/1996	<1.85	--	1.0	--	26	--	--	<0.19	<0.10
FSW 343-M03-02GNT (1-19)-R	6/17/1996	<1.85	--	0.0	--	25	--	--	<0.19	<0.10
FSW 343-M03-03RT (1-19)	6/17/1996	<1.85	--	1.1	--	47	--	--	<0.19	<0.10
FSW 343-M03-03RT (1-19)-R	6/17/1996	<1.85	--	0.4	--	45	--	--	<0.19	<0.10
FSW 343-M03-04BUT (1-19)	6/17/1996	<1.85	--	3.6	--	70	--	--	<0.19	<0.10
FSW 343-M03-04BUT (1-19)-R	6/17/1996	<1.85	--	2.4	--	68	--	--	<0.19	<0.10
FSW 343-M03-05BKT (1-19)	6/17/1996	<1.85	--	7.0	--	107	--	--	<0.19	<0.10
FSW 343-M03-05BKT (1-19)-R	6/17/1996	<1.85	--	5.5	--	103	--	--	<0.19	<0.10
FSW 343-M03-05BKT (1-19)-D	6/17/1996	<1.85	--	7.3	--	108	--	--	<0.19	<0.10
FSW 343-M03-05BKT (1-19)-D-R	6/17/1996	<1.85	--	6.2	--	105	--	--	<0.19	<0.10
FSW 343-M03-06WT (1-19)	6/17/1996	<1.85	--	11.5	--	149	--	--	<0.19	<0.10
FSW 343-M03-06WT (1-19)-R	6/17/1996	<1.85	--	10.7	--	150	--	--	<0.19	<0.10
FSW 343-M03-07O (1-19)	6/17/1996	<1.85	--	16.9	--	232	--	--	<0.19	0.12
FSW 343-M03-07O (1-19)-R	6/17/1996	<1.85	--	15.4	--	229	--	--	<0.19	<0.10
FSW 343-M03-08GY (1-19)	6/17/1996	<1.85	--	24.6	--	412	--	--	<0.19	0.14
FSW 343-M03-08GY (1-19)-R	6/17/1996	<1.85	--	23.8	--	419	--	--	<0.19	0.13
FSW 343-M03-09Y (1-19)	6/17/1996	<1.85	--	30.9	--	614	--	--	<0.19	0.13
FSW 343-M03-09Y (1-19)-R	6/17/1996	<1.85	--	27.6	--	583	--	--	<0.19	0.12

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
FSW 343-M03-10P (1-19)	6/17/1996	<1.85	--	33.4	--	715	--	--	<0.19	0.12
FSW 343-M03-10P (1-19)-R	6/17/1996	<1.85	--	29.2	--	659	--	--	<0.19	<0.10
FSW 343-M03-11GN (1-19)	6/17/1996	<1.85	--	32.6	--	719	--	--	<0.19	0.10
FSW 343-M03-11GN (1-19)-R	6/17/1996	<1.85	--	29.0	--	678	--	--	<0.19	<0.10
FSW 343-M03-12R (1-19)	6/17/1996	<1.85	--	33.4	--	741	--	--	<0.19	<0.10
FSW 343-M03-12R (1-19)-R	6/17/1996	<1.85	--	29.9	--	699	--	--	<0.19	<0.10
FSW 343-M03-13BU (1-19)	6/17/1996	<1.85	--	33.7	--	734	--	--	<0.19	<0.10
FSW 343-M03-13BU (1-19)-R	6/17/1996	<1.85	--	29.3	--	687	--	--	<0.19	<0.10
FSW 343-M03-14BK (1-19)	6/17/1996	<1.85	--	33.7	--	731	--	--	<0.19	<0.10
FSW 343-M03-14BK (1-19)-R	6/17/1996	<1.85	--	29.6	--	686	--	--	<0.19	<0.10
FSW 343-M03-14BK (1-19)-D	6/17/1996	<1.85	--	32.8	--	736	--	--	<0.19	<0.10
FSW 343-M03-14BK (1-19)-D-R	6/17/1996	<1.85	--	30.2	--	708	--	--	<0.19	<0.10
FSW 343-M03-15W (1-19)	6/17/1996	<1.85	--	34.3	--	702	--	--	<0.19	<0.10
FSW 343-M03-15W (1-19)-R	6/17/1996	<1.85	--	29.7	--	650	--	--	<0.19	<0.10
FSW 343-M01-01PT	11/18/1996	<1.85	<0.67	33.2	--	235	<0.04	--	<0.19	0.17
FSW 343-M01-02GNT	11/18/1996	<1.85	<0.67	27.8	--	196	<0.04	--	<0.19	<0.10
FSW 343-M01-03RT	11/18/1996	<1.85	<0.67	22.5	--	248	<0.04	--	<0.19	<0.10
FSW 343-M01-04BUT	11/18/1996	<1.85	<0.67	12.8	--	87	<0.04	--	<0.19	<0.10
FSW 343-M01-04BUT-D	11/18/1996	<1.85	<0.67	14.5	--	93	<0.04	--	<0.19	<0.10
FSW 343-M01-05BKT	11/18/1996	<1.85	<0.67	15.2	--	229	<0.04	--	<0.19	<0.10
FSW 343-M01-06WT	11/18/1996	<1.85	<0.67	4.8	--	78	<0.04	--	<0.19	<0.10
FSW 343-M01-07O	11/18/1996	<1.85	<0.67	3.0	--	66	<0.04	--	<0.19	<0.10
FSW 343-M01-08GY	11/18/1996	<1.85	<0.67	1.7	--	42	<0.04	--	<0.19	<0.10
FSW 343-M01-09Y	11/18/1996	<1.85	<0.67	0.8	--	35	<0.04	--	<0.19	<0.10
FSW 343-M01-10P	11/18/1996	<1.85	<0.67	0.8	--	70	<0.04	--	<0.19	<0.10

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
FSW 343-M01-11GN	11/18/1996	<1.85	<0.67	0.8	--	72	<0.04	--	<0.19	<0.10
FSW 343-M01-12R	11/18/1996	<1.85	<0.67	0.7	--	74	<0.04	--	<0.19	<0.10
FSW 343-M01-14BK	11/18/1996	<1.85	<0.67	1.1	--	95	<0.04	--	<0.19	<0.10
FSW 343-M01-14BK-D	11/18/1996	<1.85	<0.67	1.2	--	95	<0.04	--	<0.19	<0.10
FSW 343-M01-15W	11/18/1996	<1.85	<0.67	1.2	--	83	<0.04	--	<0.19	<0.10
FSW 343-M02-01PT	11/18/1996	<1.85	<0.67	31.8	--	467	<0.04	--	<0.19	0.17
FSW 343-M02-02GNT	11/18/1996	<1.85	<0.67	39.2	--	618	<0.04	--	<0.19	0.15
FSW 343-M02-03RT	11/18/1996	<1.85	<0.67	34.7	--	564	<0.04	--	<0.19	0.13
FSW 343-M02-04BUT	11/18/1996	<1.85	<0.67	36.5	--	391	<0.04	--	<0.19	0.14
FSW 343-M02-05BKT	11/18/1996	<1.85	<0.67	33.8	--	468	<0.04	--	<0.19	0.16
FSW 343-M02-06WT	11/18/1996	<1.85	<0.67	56.7	--	880	<0.04	--	<0.19	0.17
FSW 343-M02-07O	11/18/1996	<1.85	<0.67	35.7	--	455	<0.04	--	<0.19	<0.10
FSW 343-M02-07O-D	11/18/1996	<1.85	<0.67	35.8	--	462	<0.04	--	<0.19	<0.10
FSW 343-M02-08GY	11/18/1996	<1.85	<0.67	35.4	--	355	<0.04	--	<0.19	<0.10
FSW 343-M02-09Y	11/18/1996	<1.85	<0.67	33.6	--	229	<0.04	--	<0.19	<0.10
FSW 343-M02-10P	11/18/1996	<1.85	<0.67	30.3	--	328	<0.04	--	<0.19	<0.10
FSW 343-M02-11GN	11/18/1996	<1.85	<0.67	30.3	--	280	<0.04	--	<0.19	<0.10
FSW 343-M02-12R	11/18/1996	<1.85	<0.67	33.6	--	304	<0.04	--	<0.19	<0.10
FSW 343-M02-13BU	11/18/1996	<1.85	<0.67	37.1	--	391	<0.04	--	<0.19	<0.10
FSW 343-M02-14BK	11/18/1996	<1.85	<0.67	29.5	--	281	<0.04	--	<0.19	<0.10
FSW 343-M02-15W	11/18/1996	<1.85	<0.67	34.3	--	175	<0.04	--	<0.19	<0.10
FSW 343-M03-01PT (1-19)	11/18/1996	<1.85	<0.67	1.7	--	21	<0.04	--	<0.19	<0.10
FSW 343-M03-01PT (1-19)-D	11/18/1996	<1.85	<0.67	1.9	--	21	<0.04	--	<0.19	<0.10
FSW 343-M03-02GNT (1-19)	11/18/1996	<1.85	<0.67	1.6	--	20	<0.04	--	<0.19	<0.10

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
FSW 343-M03-03RT (1-19)	11/18/1996	<1.85	<0.67	1.0	--	24	<0.04	--	<0.19	<0.10
FSW 343-M03-04BUT (1-19)	11/18/1996	<1.85	<0.67	0.9	--	46	<0.04	--	<0.19	<0.10
FSW 343-M03-05BKT (1-19)	11/18/1996	<1.85	<0.67	2.3	--	72	<0.04	--	<0.19	<0.10
FSW 343-M03-06WT (1-19)	11/18/1996	<1.85	<0.67	3.2	--	70	<0.04	--	<0.19	<0.10
FSW 343-M03-07O (1-19)	11/18/1996	<1.85	<0.67	5.3	--	77	<0.04	--	<0.19	0.11
FSW 343-M03-08GY (1-19)	11/18/1996	<1.85	<0.67	9.7	--	111	<0.04	--	<0.19	0.18
FSW 343-M03-09Y (1-19)	11/18/1996	<1.85	<0.67	14.0	--	153	<0.04	--	<0.19	0.17
FSW 343-M03-10P (1-19)	11/18/1996	<1.85	<0.67	22.7	--	277	<0.04	--	<0.19	0.17
FSW 343-M03-10P (1-19)-D	11/18/1996	<1.85	<0.67	21.2	--	261	<0.04	--	<0.19	0.13
FSW 343-M03-11GN (1-19)	11/18/1996	<1.85	<0.67	27.1	--	353	<0.04	--	<0.19	0.12
FSW 343-M03-12R (1-19)	11/18/1996	<1.85	<0.67	31.2	--	435	<0.04	--	<0.19	0.14
FSW 343-M03-13BU (1-19)	11/18/1996	<1.85	<0.67	34.7	--	477	<0.04	--	<0.19	<0.10
FSW 343-M03-14BK (1-19)	11/18/1996	<1.85	<0.67	34.6	--	499	<0.04	--	<0.19	0.12
FSW 343-M03-15W (1-19)	11/18/1996	<1.85	<0.67	36.7	--	544	<0.04	--	<0.19	0.11
FSW 343-M01-01PT	2/19/1997	--	--	--	--	--	--	--	--	--
FSW 343-M01-02GNT	2/19/1997	<1.85	<0.67	24.1	--	79	<0.04	--	<0.19	<0.10
FSW 343-M01-03RT	2/19/1997	<1.85	<0.67	21.4	--	102	<0.04	--	<0.19	<0.10
FSW 343-M01-04BUT	2/19/1997	<1.85	<0.67	16.9	--	98	<0.04	--	<0.19	<0.10
FSW 343-M01-05BKT	2/19/1997	<1.85	<0.67	10.4	--	74	<0.04	--	<0.19	<0.10
FSW 343-M01-05BKT-D	2/19/1997	<1.85	<0.67	11.6	--	80	<0.04	--	<0.19	<0.10
FSW 343-M01-06WT	2/19/1997	<1.85	<0.67	2.0	--	28	<0.04	--	<0.19	<0.10
FSW 343-M01-07O	2/19/1997	<1.85	<0.67	2.7	--	60	<0.04	--	<0.19	<0.10
FSW 343-M01-08GY	2/19/1997	<1.85	<0.67	1.5	--	32	<0.04	--	<0.19	<0.10
FSW 343-M01-09Y	2/19/1997	<1.85	<0.67	1.0	--	41	<0.04	--	<0.19	<0.10
FSW 343-M01-10P	2/19/1997	<1.85	<0.67	1.2	--	107	<0.04	--	<0.19	<0.10

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
FSW 343-M02-01PT	2/19/1997	--	--	--	--	--	--	--	--	--
FSW 343-M02-02GNT	2/19/1997	--	--	--	--	--	--	--	--	--
FSW 343-M02-03RT	2/19/1997	<1.85	<0.67	28.7	--	521	<0.04	--	<0.19	0.61
FSW 343-M02-04BUT	2/19/1997	<1.85	<0.67	28.4	--	443	<0.04	--	<0.19	0.20
FSW 343-M02-05BKT	2/19/1997	<1.85	<0.67	28.6	--	396	<0.04	--	<0.19	0.12
FSW 343-M02-06WT	2/19/1997	<1.85	<0.67	28.0	--	426	<0.04	--	<0.19	<0.10
FSW 343-M02-07O	2/19/1997	<1.85	<0.67	31.5	--	431	<0.04	--	<0.19	<0.10
FSW 343-M02-08GY	2/19/1997	<1.85	<0.67	32.2	--	426	<0.04	--	<0.19	<0.10
FSW 343-M02-08GY-D	2/19/1997	<1.85	<0.67	33.8	--	452	<0.04	--	<0.19	<0.10
FSW 343-M02-09Y	2/19/1997	<1.85	<0.67	31.7	--	136	<0.04	--	<0.19	<0.10
FSW 343-M02-10P	2/19/1997	<1.85	<0.67	30.0	--	281	<0.04	--	<0.19	<0.10
FSW 343-M02-11GN	2/19/1997	<1.85	<0.67	31.1	--	306	<0.04	--	<0.19	<0.10
FSW 343-M02-12R	2/19/1997	<1.85	<0.67	33.3	--	326	<0.04	--	<0.19	<0.10
FSW 343-M02-13BU	2/19/1997	<1.85	<0.67	31.5	--	230	<0.04	--	<0.19	<0.10
FSW 343-M02-14BK	2/19/1997	<1.85	<0.67	32.8	--	194	<0.04	--	<0.19	<0.10
FSW 343-M02-15W	2/19/1997	<1.85	<0.67	30.1	--	95	<0.04	--	<0.19	<0.10
FSW 343-M03-01PT (1-19)	2/19/1997	<1.85	<0.67	0.9	--	19	<0.04	--	<0.19	<0.10
FSW 343-M03-02GNT (1-19)	2/19/1997	<1.85	<0.67	0.9	--	24	<0.04	--	<0.19	<0.10
FSW 343-M03-02GNT (1-19)-D	2/19/1997	<1.85	<0.67	0.9	--	24	<0.04	--	<0.19	<0.10
FSW 343-M03-03RT (1-19)	2/19/1997	<1.85	<0.67	0.8	--	27	<0.04	--	<0.19	<0.10
FSW 343-M03-04BUT (1-19)	2/19/1997	<1.85	<0.67	2.1	--	58	<0.04	--	<0.19	<0.10
FSW 343-M03-05BKT (1-19)	2/19/1997	<1.85	<0.67	3.3	--	71	<0.04	--	<0.19	<0.10
FSW 343-M03-06WT (1-19)	2/19/1997	<1.85	<0.67	4.3	--	85	<0.04	--	<0.19	<0.10
FSW 343-M03-07O (1-19)	2/19/1997	<1.85	<0.67	7.1	--	163	<0.04	--	<0.19	0.10

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
FSW 343-M03-08GY (1-19)	2/19/1997	<1.85	<0.67	11.8	--	241	<0.04	--	<0.19	0.14
FSW 343-M03-09Y (1-19)	2/19/1997	<1.85	<0.67	17.5	--	283	<0.04	--	<0.19	0.15
FSW 343-M03-10P (1-19)	2/19/1997	<1.85	<0.67	21.2	--	431	<0.04	--	<0.19	0.10
FSW 343-M03-11GN (1-19)	2/19/1997	<1.85	<0.67	24.0	--	539	<0.04	--	<0.19	0.10
FSW 343-M03-11GN (1-19)-D	2/19/1997	<1.85	<0.67	24.7	--	562	<0.04	--	<0.19	0.11
FSW 343-M03-12R (1-19)	2/19/1997	<1.85	<0.67	26.4	--	591	<0.04	--	<0.19	<0.10
FSW 343-M03-13BU (1-19)	2/19/1997	<1.85	<0.67	29.9	--	630	<0.04	--	<0.19	<0.10
FSW 343-M03-14BK (1-19)	2/19/1997	<1.85	<0.67	30.2	--	579	<0.04	--	<0.19	<0.10
FSW 343-M03-15W (1-19)	2/19/1997	<1.85	<0.67	32.9	--	602	<0.04	--	0.56	0.11
FSW 343-M01-01PT	5/14/1997	--	--	--	--	--	--	--	--	--
FSW 343-M01-02GNT	5/14/1997	<1.85	--	12.4	--	31	--	--	<0.19	<0.10
FSW 343-M01-03RT	5/14/1997	<1.85	--	11.9	--	56	--	--	<0.19	<0.10
FSW 343-M01-04BUT	5/14/1997	<1.85	--	11.0	--	66	--	--	<0.19	<0.10
FSW 343-M01-05BKT	5/14/1997	<1.85	--	7.7	--	51	--	--	<0.19	<0.10
FSW 343-M01-06WT	5/14/1997	<1.85	--	1.6	--	21	--	--	<0.19	<0.10
FSW 343-M01-07O	5/14/1997	<1.85	--	2.0	--	35	--	--	<0.19	<0.10
FSW 343-M01-08GY	5/14/1997	<1.85	--	1.3	--	35	--	--	<0.19	<0.10
FSW 343-M01-09Y	5/14/1997	<1.85	--	1.1	--	78	--	--	<0.19	<0.10
FSW 343-M01-09Y-D	5/14/1997	<1.85	--	1.3	--	79	--	--	<0.19	<0.10
FSW 343-M01-10P	5/14/1997	<1.85	--	1.4	--	116	--	--	<0.19	<0.10
FSW 343-M02-01PT	5/15/1997	--	--	--	--	--	--	--	--	--
FSW 343-M02-02GNT	5/15/1997	--	--	--	--	--	--	--	--	--
FSW 343-M02-03RT	5/15/1997	<1.85	--	28.4	--	482	--	--	<0.19	<0.10
FSW 343-M02-03RT-D	5/15/1997	<1.85	--	28.0	--	474	--	--	<0.19	<0.10

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
FSW 343-M02-04BUT	5/15/1997	<1.85	--	25.2	--	263	--	--	<0.19	<0.10
FSW 343-M02-05BKT	5/15/1997	<1.85	--	18.2	--	183	--	--	<0.19	<0.10
FSW 343-M02-06WT	5/15/1997	<1.85	--	22.8	--	230	--	--	<0.19	<0.10
FSW 343-M02-07O	5/15/1997	<1.85	--	28.8	--	364	--	--	<0.19	<0.10
FSW 343-M02-08GY	5/15/1997	<1.85	--	29.7	--	435	--	--	<0.19	<0.10
FSW 343-M02-09Y	5/15/1997	<1.85	--	33.9	--	206	--	--	<0.19	<0.10
FSW 343-M02-10P	5/15/1997	<1.85	--	30.2	--	147	--	--	<0.19	<0.10
FSW 343-M02-11GN	5/15/1997	<1.85	--	32.2	--	178	--	--	<0.19	<0.10
FSW 343-M02-12R	5/15/1997	<1.85	--	30.2	--	173	--	--	<0.19	<0.10
FSW 343-M02-12R-D	5/15/1997	<1.85	--	31.3	--	181	--	--	<0.19	<0.10
FSW 343-M02-13BU	5/15/1997	<1.85	--	14.1	--	121	--	--	<0.19	<0.10
FSW 343-M02-14BK	5/15/1997	<1.85	--	17.6	--	107	--	--	<0.19	<0.10
FSW 343-M02-15W	5/15/1997	<1.85	--	10.6	--	54	--	--	<0.19	<0.10
FSW 343-M03-01PT (1-19)	5/15/1997	<1.85	--	1.1	--	23	--	--	<0.19	<0.10
FSW 343-M03-02GNT (1-19)	5/15/1997	<1.85	--	1.0	--	21	--	--	<0.19	<0.10
FSW 343-M03-03RT (1-19)	5/15/1997	<1.85	--	0.6	--	26	--	--	<0.19	<0.10
FSW 343-M03-04BUT (1-19)	5/15/1997	<1.85	--	1.9	--	52	--	--	<0.19	<0.10
FSW 343-M03-05BKT (1-19)	5/15/1997	<1.85	--	2.9	--	67	--	--	<0.19	<0.10
FSW 343-M03-06WT (1-19)	5/15/1997	<1.85	--	3.8	--	79	--	--	<0.19	<0.10
FSW 343-M03-06WT (1-19)-D	5/15/1997	<1.85	--	3.8	--	81	--	--	<0.19	<0.10
FSW 343-M03-07O (1-19)	5/15/1997	<1.85	--	7.2	--	131	--	--	<0.19	<0.10
FSW 343-M03-08GY (1-19)	5/15/1997	<1.85	--	7.3	--	181	--	--	<0.19	0.11
FSW 343-M03-09Y (1-19)	5/15/1997	<1.85	--	10.3	--	253	--	--	<0.19	<0.10
FSW 343-M03-10P (1-19)	5/15/1997	<1.85	--	15.9	--	427	--	--	<0.19	<0.10
FSW 343-M03-11GN (1-19)	5/15/1997	<1.85	--	19.9	--	485	--	--	<0.19	<0.10

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
FSW 343-M03-12R (1-19)	5/15/1997	<1.85	--	21.1	--	488	--	--	<0.19	<0.10
FSW 343-M03-13BU (1-19)	5/15/1997	<1.85	--	23.1	--	503	--	--	<0.19	<0.10
FSW 343-M03-14BK (1-19)	5/15/1997	<1.85	--	25.6	--	504	--	--	<0.19	<0.10
FSW 343-M03-15W (1-19)	5/15/1997	<1.85	--	26.6	--	463	--	--	<0.19	<0.10
FSW 343-M01-01PT	8/6/1997	--	--	--	--	--	--	--	--	--
FSW 343-M01-02GNT	8/6/1997	<1.85	<0.67	6.0	--	12	<0.04	--	<0.19	<0.10
FSW 343-M01-02GNT-D	8/6/1997	<1.85	<0.67	5.8	--	12	<0.04	--	<0.19	<0.10
FSW 343-M01-03RT	8/6/1997	<1.85	<0.67	4.9	--	72	<0.04	--	<0.19	<0.10
FSW 343-M01-04BUT	8/6/1997	<1.85	<0.67	5.3	--	28	<0.04	--	<0.19	<0.10
FSW 343-M01-05BKT	8/6/1997	<1.85	<0.67	2.0	--	20	<0.04	--	<0.19	<0.10
FSW 343-M01-06WT	8/6/1997	<1.85	<0.67	1.3	--	51	<0.04	--	<0.19	<0.10
FSW 343-M01-07O	8/6/1997	<1.85	<0.67	1.3	--	28	<0.04	--	<0.19	<0.10
FSW 343-M01-08GY	8/6/1997	<1.85	<0.67	1.1	--	54	<0.04	--	<0.19	<0.10
FSW 343-M01-09Y	8/6/1997	<1.85	<0.67	1.2	--	78	<0.04	--	<0.19	<0.10
FSW 343-M01-10P	8/6/1997	<1.85	<0.67	1.1	--	107	<0.04	--	<0.19	<0.10
FSW 343-M02-01PT	8/6/1997	--	--	--	--	--	--	--	--	--
FSW 343-M02-02GNT	8/6/1997	--	--	--	--	--	--	--	--	--
FSW 343-M02-03RT	8/6/1997	<1.85	<0.67	17.2	--	235	<0.04	--	<0.19	0.18
FSW 343-M02-03RT-D	8/6/1997	<1.85	<0.67	17.2	--	232	<0.04	--	<0.19	0.14
FSW 343-M02-04BUT	8/6/1997	<1.85	<0.67	10.8	--	252	<0.04	--	<0.19	<0.10
FSW 343-M02-05BKT	8/6/1997	<1.85	<0.67	11.5	--	225	<0.04	--	<0.19	<0.10
FSW 343-M02-06WT	8/6/1997	<1.85	<0.67	20.2	--	240	<0.04	--	<0.19	0.13
FSW 343-M02-07O	8/6/1997	<1.85	<0.67	29.3	--	349	<0.04	--	<0.19	<0.10
FSW 343-M02-08GY	8/6/1997	<1.85	<0.67	30.1	--	325	<0.04	--	<0.19	0.11

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
FSW 343-M02-09Y	8/6/1997	<1.85	<0.67	19.6	--	126	<0.04	--	<0.19	<0.10
FSW 343-M02-10P	8/6/1997	<1.85	<0.67	25.0	--	156	<0.04	--	<0.19	<0.10
FSW 343-M02-11GN	8/6/1997	<1.85	<0.67	22.7	--	121	<0.04	--	<0.19	<0.10
FSW 343-M02-12R	8/6/1997	<1.85	<0.67	6.5	--	141	<0.04	--	<0.19	<0.10
FSW 343-M02-12R-D	8/6/1997	<1.85	<0.67	6.7	--	140	<0.04	--	<0.19	<0.10
FSW 343-M02-13BU	8/6/1997	<1.85	<0.67	4.9	--	176	<0.04	--	<0.19	<0.10
FSW 343-M02-14BK	8/6/1997	<1.85	<0.67	7.0	--	118	<0.04	--	<0.19	<0.10
FSW 343-M02-15W	8/6/1997	<1.85	<0.67	1.9	--	107	<0.04	--	<0.19	<0.10
FSW 343-M03-01PT (1-19)	8/7/1997	<1.85	<0.67	0.8	--	22	<0.04	--	<0.19	<0.10
FSW 343-M03-02GNT (1-19)	8/7/1997	<1.85	<0.67	0.5	--	23	<0.04	--	<0.19	<0.10
FSW 343-M03-03RT (1-19)	8/7/1997	<1.85	<0.67	0.8	--	23	<0.04	--	<0.19	<0.10
FSW 343-M03-04BUT (1-19)	8/7/1997	<1.85	<0.67	2.8	--	59	<0.04	--	<0.19	<0.10
FSW 343-M03-05BKT (1-19)	8/7/1997	<1.85	<0.67	4.7	--	70	<0.04	--	<0.19	0.12
FSW 343-M03-06WT (1-19)	8/7/1997	<1.85	<0.67	5.8	--	77	<0.04	--	<0.19	0.17
FSW 343-M03-06WT (1-19)-D	8/7/1997	<1.85	<0.67	5.6	--	76	<0.04	--	<0.19	0.16
FSW 343-M03-07O (1-19)	8/7/1997	<1.85	<0.67	8.1	--	116	<0.04	--	<0.19	0.21
FSW 343-M03-08GY (1-19)	8/7/1997	<1.85	<0.67	10.8	--	108	<0.04	--	<0.19	0.27
FSW 343-M03-09Y (1-19)	8/7/1997	<1.85	<0.67	16.1	--	153	<0.04	--	<0.19	0.29
FSW 343-M03-10P (1-19)	8/7/1997	<1.85	<0.67	17.8	--	201	<0.04	--	<0.19	0.23
FSW 343-M03-11GN (1-19)	8/7/1997	<1.85	<0.67	17.5	--	240	<0.04	--	<0.19	0.19
FSW 343-M03-12R (1-19)	8/7/1997	<1.85	<0.67	17.2	--	260	<0.04	--	<0.19	0.17
FSW 343-M03-13BU (1-19)	8/7/1997	<1.85	<0.67	17.1	--	280	<0.04	--	<0.19	0.15
FSW 343-M03-14BK (1-19)	8/7/1997	<1.85	<0.67	18.8	--	251	<0.04	--	<0.19	0.14
FSW 343-M03-15W (1-19)	8/7/1997	<1.85	<0.67	20.8	--	181	<0.04	--	<0.19	0.16

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
FSW 343-M01-01PT	10/30/1997	--	--	--	--	--	--	--	--	--
FSW 343-M01-02GNT	10/30/1997	<1.85	<0.67	2.3	--	9	<0.04	--	<0.19	<0.10
FSW 343-M01-02GNT-D	10/30/1997	<1.85	<0.67	2.1	--	7	<0.04	--	<0.19	<0.10
FSW 343-M01-03RT	10/30/1997	<1.85	<0.67	2.9	--	65	<0.04	--	<0.19	<0.10
FSW 343-M01-04BUT	10/30/1997	<1.85	<0.67	3.5	--	27	<0.04	--	<0.19	<0.10
FSW 343-M01-05BKT	10/30/1997	<1.85	<0.67	1.1	--	55	<0.04	--	<0.19	<0.10
FSW 343-M01-06WT	10/30/1997	<1.85	<0.67	0.9	--	54	<0.04	--	<0.19	<0.10
FSW 343-M01-07O	10/30/1997	<1.85	<0.67	0.9	--	26	<0.04	--	<0.19	<0.10
FSW 343-M01-08GY	10/30/1997	<1.85	<0.67	1.0	--	76	<0.04	--	<0.19	<0.10
FSW 343-M01-09Y	10/30/1997	<1.85	<0.67	1.2	--	73	<0.04	--	<0.19	<0.10
FSW 343-M01-10P	10/30/1997	<1.85	<0.67	1.3	--	99	<0.04	--	<0.19	<0.10
FSW 343-M02-01PT	10/30/1997	--	--	--	--	--	--	--	--	--
FSW 343-M02-02GNT	10/30/1997	--	--	--	--	--	--	--	--	--
FSW 343-M02-03RT	10/30/1997	<1.85	<0.67	13.8	--	179	<0.04	--	<0.19	<0.10
FSW 343-M02-03RT-D	10/30/1997	<1.85	<0.67	13.9	--	188	<0.04	--	<0.19	<0.10
FSW 343-M02-04BUT	10/30/1997	<1.85	<0.67	9.4	--	314	<0.04	--	<0.19	<0.10
FSW 343-M02-05BKT	10/30/1997	<1.85	<0.67	8.6	--	426	<0.04	--	<0.19	<0.10
FSW 343-M02-06WT	10/30/1997	<1.85	<0.67	11.5	--	269	<0.04	--	<0.19	<0.10
FSW 343-M02-07O	10/30/1997	<1.85	<0.67	15.2	--	153	<0.04	--	<0.19	<0.10
FSW 343-M02-08GY	10/30/1997	<1.85	<0.67	19.6	--	168	<0.04	--	<0.19	<0.10
FSW 343-M02-09Y	10/30/1997	<1.85	<0.67	14.9	--	131	<0.04	--	<0.19	<0.10
FSW 343-M02-10P	10/30/1997	<1.85	<0.67	17.0	--	103	<0.04	--	<0.19	<0.10
FSW 343-M02-11GN	10/30/1997	<1.85	<0.67	7.0	--	133	<0.04	--	<0.19	<0.10
FSW 343-M02-12R	10/30/1997	<1.85	<0.67	5.0	--	112	<0.04	--	<0.19	<0.10
FSW 343-M02-12R-D	10/30/1997	<1.85	<0.67	4.5	--	116	<0.04	--	<0.19	<0.10

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
FSW 343-M02-13BU	10/30/1997	<1.85	<0.67	2.5	--	139	<0.04	--	<0.19	<0.10
FSW 343-M02-14BK	10/30/1997	<1.85	<0.67	0.3	--	136	<0.04	--	<0.19	<0.10
FSW 343-M02-15W	10/30/1997	<1.85	<0.67	1.6	--	121	<0.04	--	<0.19	<0.10
FSW 343-M03-01PT (1-19)	10/30/1997	<1.85	<0.67	0.7	--	24	<0.04	--	<0.19	<0.10
FSW 343-M03-02GNT (1-19)	10/30/1997	<1.85	<0.67	0.7	--	21	<0.04	--	<0.19	<0.10
FSW 343-M03-03RT (1-19)	10/30/1997	<1.85	<0.67	0.8	--	22	<0.04	--	<0.19	<0.10
FSW 343-M03-04BUT (1-19)	10/30/1997	<1.85	<0.67	1.8	--	62	<0.04	--	<0.19	<0.10
FSW 343-M03-05BKT (1-19)	10/30/1997	<1.85	<0.67	2.9	--	57	<0.04	--	<0.19	<0.10
FSW 343-M03-06WT (1-19)	10/30/1997	<1.85	<0.67	4.4	--	72	<0.04	--	<0.19	0.13
FSW 343-M03-06WT (1-19)-D	10/30/1997	<1.85	<0.67	4.5	--	75	<0.04	--	<0.19	0.12
FSW 343-M03-07O (1-19)	10/30/1997	<1.85	<0.67	6.5	--	123	<0.04	--	<0.19	0.17
FSW 343-M03-08GY (1-19)	10/30/1997	<1.85	<0.67	9.4	--	218	<0.04	--	<0.19	0.18
FSW 343-M03-09Y (1-19)	10/30/1997	<1.85	<0.67	11.9	--	222	<0.04	--	<0.19	0.19
FSW 343-M03-10P (1-19)	10/30/1997	<1.85	<0.67	13.4	--	245	<0.04	--	<0.19	0.17
FSW 343-M03-11GN (1-19)	10/30/1997	<1.85	<0.67	14.1	--	264	<0.04	--	<0.19	0.15
FSW 343-M03-12R (1-19)	10/30/1997	<1.85	<0.67	14.6	--	295	<0.04	--	<0.19	0.12
FSW 343-M03-13BU (1-19)	10/30/1997	<1.85	<0.67	14.8	--	283	<0.04	--	<0.19	<0.10
FSW 343-M03-14BK (1-19)	10/30/1997	<1.85	<0.67	15.5	--	244	<0.04	--	<0.19	0.12
FSW 343-M03-15W (1-19)	10/30/1997	<1.85	<0.67	14.8	--	200	<0.04	--	<0.19	0.12
FSW 343-M01-01PT	6/2/1998	--	--	--	--	--	--	--	--	--
FSW 343-M01-02GNT	6/2/1998	<1.85	<0.67	2.6	--	57	<0.04	--	<0.19	<0.10
FSW 343-M01-03RT	6/2/1998	<1.85	<0.67	1.7	--	73	<0.04	--	<0.19	<0.10
FSW 343-M01-04BUT	6/2/1998	<1.85	<0.67	1.8	--	29	<0.04	--	<0.19	<0.10
FSW 343-M01-05BKT	6/2/1998	<1.85	<0.67	0.9	--	56	<0.04	--	<0.19	<0.10

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
FSW 343-M01-06WT	6/2/1998	<1.85	<0.67	0.8	--	66	<0.04	--	<0.19	<0.10
FSW 343-M01-07O	6/2/1998	<1.85	<0.67	0.8	--	54	<0.04	--	<0.19	<0.10
FSW 343-M01-08GY	6/2/1998	<1.85	<0.67	0.8	--	85	<0.04	--	<0.19	<0.10
FSW 343-M01-09Y	6/2/1998	<1.85	<0.67	1.2	--	73	<0.04	--	<0.19	<0.10
FSW 343-M01-09Y-D	6/2/1998	<1.85	<0.67	1.0	--	72	<0.04	--	<0.19	<0.10
FSW 343-M01-10P	6/2/1998	<1.85	<0.67	1.2	--	93	<0.04	--	<0.19	<0.10
FSW 343-M01-14BK	6/2/1998	<1.85	<0.67	1.1	--	116	<0.04	--	<0.19	<0.10
FSW 343-M01-15W	6/2/1998	<1.85	<0.67	1.0	--	84	<0.04	--	<0.19	<0.10
FSW 343-M02-01PT	6/2/1998	--	--	--	--	--	--	--	--	--
FSW 343-M02-02GNT	6/2/1998	--	--	--	--	--	--	--	--	--
FSW 343-M02-03RT	6/2/1998	<1.85	<0.67	8.1	--	285	<0.04	--	<0.19	<0.10
FSW 343-M02-04BUT	6/2/1998	<1.85	<0.67	5.5	--	247	<0.04	--	<0.19	<0.10
FSW 343-M02-05BKT	6/2/1998	<1.85	<0.67	4.9	--	272	<0.04	--	<0.19	<0.10
FSW 343-M02-06WT	6/2/1998	<1.85	<0.67	5.3	--	303	<0.04	--	<0.19	<0.10
FSW 343-M02-07O	6/2/1998	<1.85	<0.67	9.4	--	152	<0.04	--	<0.19	<0.10
FSW 343-M02-08GY	6/2/1998	<1.85	<0.67	6.2	--	233	<0.04	--	<0.19	<0.10
FSW 343-M02-09Y	6/2/1998	<1.85	<0.67	7.1	--	240	<0.04	--	<0.19	<0.10
FSW 343-M02-10P	6/2/1998	<1.85	<0.67	9.2	--	148	<0.04	--	<0.19	<0.10
FSW 343-M02-10P-D	6/2/1998	<1.85	<0.67	9.1	--	148	<0.04	--	<0.19	<0.10
FSW 343-M02-11GN	6/2/1998	<1.85	<0.67	7.6	--	175	<0.04	--	<0.19	<0.10
FSW 343-M02-12R	6/2/1998	<1.85	<0.67	4.1	--	177	<0.04	--	<0.19	<0.10
FSW 343-M02-13BU	6/2/1998	<1.85	<0.67	3.0	--	151	<0.04	--	<0.19	<0.10
FSW 343-M02-14BK	6/2/1998	<1.85	<0.67	3.2	--	133	<0.04	--	<0.19	<0.10
FSW 343-M02-15W	6/2/1998	<1.85	<0.67	2.1	--	133	<0.04	--	<0.19	<0.10

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
FSW 343-M03-01PT (1-19)	6/2/1998	<1.85	<0.67	0.6	--	28	<0.04	--	<0.19	<0.10
FSW 343-M03-02GNT (1-19)	6/2/1998	2.09	<0.67	0.6	--	25	<0.04	--	<0.19	<0.10
FSW 343-M03-03RT (1-19)	6/2/1998	<1.85	<0.67	0.5	--	27	<0.04	--	<0.19	<0.10
FSW 343-M03-04BUT (1-19)	6/2/1998	<1.85	<0.67	0.8	--	53	<0.04	--	<0.19	<0.10
FSW 343-M03-04BUT (1-19)-D	6/2/1998	<1.85	<0.67	1.0	--	53	<0.04	--	<0.19	<0.10
FSW 343-M03-05BKT (1-19)	6/2/1998	<1.85	<0.67	2.7	--	86	<0.04	--	<0.19	<0.10
FSW 343-M03-06WT (1-19)	6/2/1998	<1.85	<0.67	3.5	--	116	<0.04	--	<0.19	<0.10
FSW 343-M03-07O (1-19)	6/2/1998	<1.85	<0.67	5.3	--	175	<0.04	--	<0.19	0.14
FSW 343-M03-08GY (1-19)	6/2/1998	<1.85	<0.67	6.4	--	209	<0.04	--	<0.19	0.17
FSW 343-M03-09Y (1-19)	6/2/1998	<1.85	<0.67	7.1	--	198	<0.04	--	<0.19	0.17
FSW 343-M03-10P (1-19)	6/2/1998	<1.85	<0.67	8.8	--	319	<0.04	--	<0.19	0.14
FSW 343-M03-11GN (1-19)	6/2/1998	<1.85	<0.67	9.7	--	364	<0.04	--	<0.19	0.13
FSW 343-M03-12R (1-19)	6/2/1998	<1.85	<0.67	9.9	--	363	<0.04	--	<0.19	0.11
FSW 343-M03-13BU (1-19)	6/2/1998	<1.85	<0.67	9.7	--	346	<0.04	--	<0.19	<0.10
FSW 343-M03-14BK (1-19)	6/2/1998	<1.85	<0.67	10.6	--	395	<0.04	--	<0.19	0.11
FSW 343-M03-15W (1-19)	6/2/1998	<1.85	<0.67	10.7	--	453	<0.04	--	<0.19	<0.10
FSW 343-M01-01PT	11/10/1998	--	--	--	--	--	--	--	--	--
FSW 343-M01-02GNT	11/10/1998	<1.85	<0.67	1.3	--	112	<0.04	--	<0.19	<0.10
FSW 343-M01-03RT	11/10/1998	<1.85	<0.67	1.3	--	140	<0.04	--	<0.19	<0.10
FSW 343-M01-04BUT	11/10/1998	<1.85	<0.67	0.9	--	55	<0.04	--	<0.19	<0.10
FSW 343-M01-05BKT	11/10/1998	<1.85	<0.67	0.4	--	136	<0.04	--	<0.19	<0.10
FSW 343-M01-06WT	11/10/1998	<1.85	<0.67	<0.30	--	99	<0.04	--	<0.19	<0.10
FSW 343-M01-07O	11/10/1998	<1.85	<0.67	0.6	--	89	<0.04	--	<0.19	<0.10
FSW 343-M01-08GY	11/10/1998	<1.85	<0.67	0.6	--	93	<0.04	--	<0.19	<0.10
FSW 343-M01-09Y	11/10/1998	<1.85	<0.67	0.4	--	63	<0.04	--	<0.19	<0.10

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
FSW 343-M01-09Y-D	11/10/1998	<1.85	<0.67	0.7	--	66	<0.04	--	<0.19	<0.10
FSW 343-M01-10P	11/10/1998	<1.85	<0.67	<0.30	--	82	<0.04	--	<0.19	<0.10
FSW 343-M02-01PT	11/10/1998	--	--	--	--	--	--	--	--	--
FSW 343-M02-02GNT	11/10/1998	--	--	--	--	--	--	--	--	--
FSW 343-M02-03RT	11/10/1998	<1.85	<0.67	7.1	--	254	0.070	<0.25	<0.19	0.14
FSW 343-M02-04BUT	11/10/1998	<1.85	<0.67	4.8	--	383	<0.04	<0.25	<0.19	<0.10
FSW 343-M02-05BKT	11/10/1998	<1.85	<0.67	4.5	--	389	<0.04	<0.25	<0.19	<0.10
FSW 343-M02-06WT	11/10/1998	<1.85	<0.67	4.4	--	284	<0.04	<0.25	<0.19	<0.10
FSW 343-M02-07O	11/10/1998	<1.85	<0.67	5.9	--	302	<0.04	<0.25	<0.19	<0.10
FSW 343-M02-08GY	11/10/1998	<1.85	<0.67	6.5	--	342	<0.04	<0.25	<0.19	<0.10
FSW 343-M02-09Y	11/10/1998	<1.85	<0.67	5.9	--	267	<0.04	<0.25	<0.19	<0.10
FSW 343-M02-10P	11/10/1998	<1.85	<0.67	7.2	--	176	<0.04	<0.25	<0.19	<0.10
FSW 343-M02-10P-D	11/10/1998	<1.85	<0.67	6.7	--	174	<0.04	<0.25	<0.19	<0.10
FSW 343-M02-11GN	11/10/1998	<1.85	<0.67	4.5	--	163	<0.04	<0.25	<0.19	<0.10
FSW 343-M02-12R	11/10/1998	<1.85	<0.67	2.4	--	123	<0.04	<0.25	<0.19	<0.10
FSW 343-M02-13BU	11/10/1998	<1.85	<0.67	1.7	--	116	<0.04	<0.25	<0.19	<0.10
FSW 343-M02-14BK	11/10/1998	<1.85	<0.67	2.0	--	88	<0.04	<0.25	<0.19	<0.10
FSW 343-M02-15W	11/10/1998	<1.85	<0.67	1.1	--	156	<0.04	<0.25	<0.19	<0.10
FSW 343-M03-01PT (1-19)	11/10/1998	1.88	<0.67	1.1	--	26	<0.04	<0.25	<0.19	<0.10
FSW 343-M03-02GNT (1-19)	11/10/1998	<1.85	<0.67	0.6	--	24	<0.04	<0.25	<0.19	<0.10
FSW 343-M03-03RT (1-19)	11/10/1998	<1.85	<0.67	1.7	--	31	<0.04	<0.25	<0.19	<0.10
FSW 343-M03-04BUT (1-19)	11/10/1998	<1.85	<0.67	2.4	--	66	<0.04	<0.25	<0.19	0.12
FSW 343-M03-04BUT (1-19)-D	11/10/1998	<1.85	<0.67	1.7	--	69	<0.04	<0.25	<0.19	<0.10
FSW 343-M03-05BKT (1-19)	11/10/1998	2.52	<0.67	4.1	--	109	<0.04	<0.25	<0.19	0.14

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
FSW 343-M03-06WT (1-19)	11/10/1998	<1.85	<0.67	4.7	--	137	<0.04	<0.25	<0.19	0.17
FSW 343-M03-07O (1-19)	11/10/1998	<1.85	<0.67	5.6	--	221	<0.04	<0.25	<0.19	0.19
FSW 343-M03-08GY (1-19)	11/10/1998	<1.85	<0.67	6.6	--	292	<0.04	<0.25	<0.19	0.21
FSW 343-M03-09Y (1-19)	11/10/1998	<1.85	<0.67	7.0	--	316	<0.04	<0.25	<0.19	0.20
FSW 343-M03-10P (1-19)	11/10/1998	<1.85	<0.67	7.1	--	313	<0.04	<0.25	<0.19	0.14
FSW 343-M03-11GN (1-19)	11/10/1998	<1.85	<0.67	6.6	--	275	<0.04	<0.25	<0.19	0.16
FSW 343-M03-12R (1-19)	11/10/1998	<1.85	<0.67	6.5	--	254	<0.04	<0.25	<0.19	0.12
FSW 343-M03-13BU (1-19)	11/10/1998	<1.85	<0.67	6.1	--	240	<0.04	<0.25	<0.19	<0.10
FSW 343-M03-14BK (1-19)	11/10/1998	<1.85	<0.67	6.3	--	239	<0.04	<0.25	<0.19	<0.10
FSW 343-M03-15W (1-19)	11/10/1998	<1.85	<0.67	7.6	--	237	<0.04	<0.25	<0.19	0.13
FSW 343-M01-02GNT	6/8/1999	<1.85	<0.67	1.8	--	146	<0.04	--	<0.19	<0.10
FSW 343-M01-03RT	6/8/1999	<1.85	<0.67	1.4	--	113	<0.04	--	<0.19	<0.10
FSW 343-M01-03RT-D	6/8/1999	<1.85	<0.67	1.5	--	116	<0.04	--	<0.19	<0.10
FSW 343-M01-04BUT	6/8/1999	<1.85	<0.67	1.6	--	93	<0.04	--	<0.19	<0.10
FSW 343-M01-05BKT	6/8/1999	<1.85	<0.67	1.3	--	156	<0.04	--	<0.19	<0.10
FSW 343-M01-06WT	6/8/1999	<1.85	<0.67	0.9	--	117	<0.04	--	<0.19	<0.10
FSW 343-M01-07O	6/8/1999	<1.85	<0.67	1.1	--	58	<0.04	--	<0.19	<0.10
FSW 343-M01-08GY	6/8/1999	<1.85	<0.67	1.4	--	87	<0.04	--	<0.19	<0.10
FSW 343-M01-09Y	6/8/1999	<1.85	<0.67	1.3	--	71	<0.04	--	<0.19	<0.10
FSW 343-M01-10P	6/8/1999	<1.85	<0.67	1.2	--	78	<0.04	--	<0.19	<0.10
FSW 343-M02-01PT	6/8/1999	--	--	--	--	--	--	--	--	--
FSW 343-M02-02GNT	6/8/1999	--	--	--	--	--	--	--	--	--
FSW 343-M02-03RT	6/8/1999	<1.85	<0.67	5.4	--	352	<0.04	--	<0.19	<0.10
FSW 343-M02-04BUT	6/8/1999	<1.85	<0.67	4.1	--	546	<0.04	--	<0.19	<0.10

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[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
FSW 343-M02-05BKT	6/8/1999	<1.85	<0.67	3.7	--	434	<0.04	--	<0.19	<0.10
FSW 343-M02-06WT	6/8/1999	<1.85	<0.67	4.3	--	309	<0.04	--	<0.19	<0.10
FSW 343-M02-07O	6/8/1999	<1.85	<0.67	4.6	--	243	<0.04	--	<0.19	<0.10
FSW 343-M02-08GY	6/8/1999	<1.85	<0.67	6.1	--	263	<0.04	--	<0.19	<0.10
FSW 343-M02-09Y	6/8/1999	<1.85	<0.67	4.8	--	233	<0.04	--	<0.19	<0.10
FSW 343-M02-09Y-D	6/8/1999	<1.85	<0.67	4.6	--	231	<0.04	--	<0.19	<0.10
FSW 343-M02-10P	6/8/1999	<1.85	<0.67	4.2	--	123	<0.04	--	<0.19	<0.10
FSW 343-M02-11GN	6/8/1999	<1.85	<0.67	3.4	--	112	<0.04	--	<0.19	<0.10
FSW 343-M02-12R	6/8/1999	<1.85	<0.67	2.5	--	118	<0.04	--	<0.19	<0.10
FSW 343-M02-13BU	6/8/1999	<1.85	<0.67	2.0	--	124	<0.04	--	<0.19	<0.10
FSW 343-M02-14BK	6/8/1999	<1.85	<0.67	1.9	--	93	<0.04	--	<0.19	<0.10
FSW 343-M02-15W	6/8/1999	<1.85	<0.67	1.4	--	132	<0.04	--	<0.19	<0.10
FSW 343-M03-01PT (1-19)	6/8/1999	1.88	<0.67	1.5	--	24	<0.04	--	<0.19	<0.10
FSW 343-M03-02GNT (1-19)	6/8/1999	1.97	<0.67	1.5	--	20	<0.04	--	<0.19	<0.10
FSW 343-M03-03RT (1-19)	6/8/1999	<1.85	<0.67	2.7	--	65	<0.04	--	<0.19	<0.10
FSW 343-M03-04BUT (1-19)	6/8/1999	<1.85	<0.67	4.1	--	138	<0.04	--	<0.19	<0.10
FSW 343-M03-05BKT (1-19)	6/8/1999	<1.85	<0.67	4.9	--	182	<0.04	--	<0.19	0.13
FSW 343-M03-06WT (1-19)	6/8/1999	<1.85	<0.67	5.0	--	203	<0.04	--	<0.19	0.16
FSW 343-M03-06WT (1-19)-D	6/8/1999	<1.85	<0.67	4.9	--	209	<0.04	--	<0.19	0.13
FSW 343-M03-07O (1-19)	6/8/1999	<1.85	<0.67	5.3	--	229	<0.04	--	<0.19	0.20
FSW 343-M03-08GY (1-19)	6/8/1999	<1.85	<0.67	5.6	--	254	<0.04	--	<0.19	0.17
FSW 343-M03-09Y (1-19)	6/8/1999	<1.85	<0.67	5.6	--	258	<0.04	--	<0.19	0.13
FSW 343-M03-10P (1-19)	6/8/1999	<1.85	<0.67	5.6	--	262	<0.04	--	<0.19	<0.10
FSW 343-M03-11GN (1-19)	6/8/1999	<1.85	<0.67	5.6	--	281	<0.04	--	<0.19	<0.10
FSW 343-M03-12R (1-19)	6/8/1999	<1.85	<0.67	5.6	--	286	<0.04	--	<0.19	<0.10

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
FSW 343-M03-13BU (1-19)	6/8/1999	<1.85	<0.67	5.7	--	269	<0.04	--	<0.19	<0.10
FSW 343-M03-14BK (1-19)	6/8/1999	<1.85	<0.67	5.7	--	265	<0.04	--	<0.19	<0.10
FSW 343-M03-14BK (1-19)-D	6/8/1999	<1.85	<0.67	5.7	--	257	<0.04	--	<0.19	<0.10
FSW 343-M03-15W (1-19)	6/8/1999	<1.85	<0.67	5.7	--	281	<0.04	--	<0.19	<0.10
FSW 343-M01-01PT	6/13/2000	--	--	--	--	--	--	--	--	--
FSW 343-M01-02GNT	6/13/2000	<1.85	<0.11	1.8	0.0695	237	<0.009	<0.02	<0.19	<0.03
FSW 343-M01-03RT	6/13/2000	<1.85	<0.11	1.6	0.0679	213	<0.009	<0.02	<0.19	<0.03
FSW 343-M01-04BUT	6/13/2000	2.97	<0.11	1.8	0.1117	164	<0.009	<0.02	<0.19	<0.03
FSW 343-M01-05BKT	6/13/2000	<1.85	<0.11	1.5	0.0325	112	<0.009	<0.02	<0.19	<0.03
FSW 343-M01-06WT	6/13/2000	<1.85	<0.11	1.3	0.0297	96	<0.009	<0.02	<0.19	<0.03
FSW 343-M01-06WT-D	6/13/2000	<1.85	<0.11	1.4	0.0315	103	<0.009	<0.02	<0.19	<0.03
FSW 343-M01-07O	6/13/2000	<1.85	<0.11	1.5	0.0310	62	<0.009	<0.02	<0.19	<0.03
FSW 343-M01-08GY	6/13/2000	<1.85	<0.11	1.8	0.0318	104	<0.009	<0.02	<0.19	<0.03
FSW 343-M01-09Y	6/13/2000	<1.85	<0.11	2.3	0.0278	82	<0.009	<0.02	<0.19	<0.03
FSW 343-M01-09Y-D	6/13/2000	<1.85	<0.11	2.0	0.0234	73	<0.009	<0.02	<0.19	<0.03
FSW 343-M01-10P	6/13/2000	<1.85	<0.11	2.1	0.0309	109	<0.009	<0.02	<0.19	<0.03
FSW 343-M02-01PT	6/14/2000	--	--	--	--	--	--	--	--	--
FSW 343-M02-02GNT	6/14/2000	--								
FSW 343-M02-03RT	6/14/2000	<1.85	<0.11	6.1	0.1445	430	<0.009	<0.02	<0.19	0.05
FSW 343-M02-04BUT	6/14/2000	<1.85	<0.11	4.2	0.1316	490	<0.009	<0.02	<0.19	<0.03
FSW 343-M02-05BKT	6/14/2000	<1.85	<0.11	4.3	0.1142	561	<0.009	<0.02	<0.19	<0.03
FSW 343-M02-06WT	6/14/2000	<1.85	<0.11	4.5	0.0771	637	<0.009	<0.02	<0.19	<0.03
FSW 343-M02-07O	6/13/2000	<1.85	<0.11	5.3	0.2035	533	<0.009	<0.02	<0.19	<0.03
FSW 343-M02-08GY	6/13/2000	<1.85	<0.11	5.3	0.1785	588	<0.009	<0.02	<0.19	<0.03

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
FSW 343-M02-09Y	6/13/2000	<1.85	<0.11	5.2	0.1619	628	<0.009	<0.02	<0.19	<0.03
FSW 343-M02-10P	6/13/2000	<1.85	0.14	5.6	0.1967	369	<0.009	<0.02	<0.19	<0.03
FSW 343-M02-11GN	6/13/2000	<1.85	0.13	5.4	0.1683	500	<0.009	<0.02	<0.19	<0.03
FSW 343-M02-13BU	6/13/2000	<1.85	0.14	3.7	0.0526	248	<0.009	<0.02	<0.19	<0.03
FSW 343-M02-13BU-D	6/13/2000	<1.85	0.14	3.2	0.0449	216	<0.009	<0.02	<0.19	<0.03
FSW 343-M02-14BK	6/13/2000	<1.85	0.13	2.6	0.0429	169	<0.009	<0.02	<0.19	<0.03
FSW 343-M02-15W	6/13/2000	<1.85	<0.11	2.1	0.0513	234	<0.009	<0.02	<0.19	<0.03
FSW 343-M03-01PT (1-19)	6/14/2000	2.56	<0.11	0.9	0.1338	30	<0.009	<0.02	<0.19	<0.03
FSW 343-M03-02GNT (1-19)	6/14/2000	<1.85	<0.11	5.1	0.1477	391	<0.009	<0.02	<0.19	0.07
FSW 343-M03-03RT (1-19)	6/14/2000	<1.85	<0.11	1.6	0.0673	85	<0.009	<0.02	<0.19	<0.03
FSW 343-M03-03RT (1-19)-D	6/14/2000	<1.85	<0.11	1.6	0.0665	86	<0.009	<0.02	<0.19	<0.03
FSW 343-M03-04BUT (1-19)	6/14/2000	<1.85	<0.11	3.1	0.0649	151	<0.009	<0.02	<0.19	0.05
FSW 343-M03-05BKT (1-19)	6/14/2000	<1.85	<0.11	4.6	0.0692	213	<0.009	<0.02	<0.19	0.13
FSW 343-M03-06WT (1-19)	6/14/2000	<1.85	<0.11	5.0	0.0754	236	<0.009	<0.02	<0.19	0.17
FSW 343-M03-06WT (1-19)-X	6/14/2000	<1.85	<0.11	5.3	0.0046	2	<0.009	<0.02	<0.19	0.16
FSW 343-M03-07O (1-19)	6/14/2000	<1.85	<0.11	5.3	0.0761	249	<0.009	<0.02	<0.19	0.20
FSW 343-M03-08GY (1-19)	6/14/2000	<1.85	<0.11	5.6	0.1172	343	<0.009	<0.02	<0.19	0.14
FSW 343-M03-08GY (1-19)-X	6/14/2000	<1.85	<0.11	5.5	0.0016	1	<0.009	<0.02	<0.19	0.12
FSW 343-M03-09Y (1-19)	6/14/2000	<1.85	<0.11	5.9	0.1671	375	<0.009	<0.02	<0.19	0.10
FSW 343-M03-10P (1-19)	6/14/2000	<1.85	<0.11	5.6	0.1632	383	<0.009	<0.02	<0.19	0.08
FSW 343-M03-11GN (1-19)	6/14/2000	<1.85	<0.11	1.2	0.0828	41	<0.009	<0.02	<0.19	<0.03
FSW 343-M03-11GN (1-19)-D	6/14/2000	<1.85	<0.11	1.2	0.0716	40	<0.009	<0.02	<0.19	<0.03
FSW 343-M03-12R (1-19)	6/14/2000	<1.85	<0.11	5.7	0.1478	465	<0.009	<0.02	<0.19	<0.03
FSW 343-M03-13BU (1-19)	6/14/2000	<1.85	<0.11	5.6	0.1123	406	<0.009	<0.02	<0.19	<0.03
FSW 343-M03-14BK (1-19)	6/14/2000	<1.85	<0.11	6.2	0.1189	365	<0.009	<0.02	<0.19	0.05

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
FSW 343-M03-15W (1-19)	6/14/2000	<1.85	<0.11	5.9	0.1439	433	<0.009	<0.02	<0.19	<0.03
FSW 343-M01-01PT	6/18/2002	--								
FSW 343-M01-02GNT	6/18/2002	<1.85	<0.11	1.5	0.0596	209	<0.009	<0.02	<0.19	<0.03
FSW 343-M01-03RT	6/18/2002	<1.85	<0.11	1.3	0.0479	157	<0.009	0.03	<0.19	<0.03
FSW 343-M01-04BUT	6/18/2002	<1.85	<0.11	1.3	0.0431	81	<0.009	<0.02	<0.19	<0.03
FSW 343-M01-05BKT	6/18/2002	<1.85	<0.11	1.1	0.0230	81	<0.009	<0.02	<0.19	<0.03
FSW 343-M01-06WT	6/18/2002	<1.85	<0.11	1.2	0.0262	93	<0.009	<0.02	<0.19	<0.03
FSW 343-M01-07O	6/18/2002	<1.85	<0.11	1.3	0.0293	72	<0.009	<0.02	<0.19	<0.03
FSW 343-M01-07O-D	6/18/2002	<1.85	<0.11	1.4	0.0308	72	<0.009	<0.02	<0.19	<0.03
FSW 343-M01-08GY	6/18/2002	<1.85	<0.11	1.5	0.0293	95	<0.009	<0.02	<0.19	<0.03
FSW 343-M01-09Y	6/18/2002	<1.85	<0.11	1.6	0.0233	70	<0.009	<0.02	<0.19	<0.03
FSW 343-M01-10P	6/18/2002	<1.85	<0.11	1.3	0.0223	77	<0.009	<0.02	<0.19	<0.03
FSW 343-M02-01PT	6/18/2002	--	--	--	--	--	--	--	--	--
FSW 343-M02-02GNT	6/18/2002	--	--	--	--	--	--	--	--	--
FSW 343-M02-03RT	6/18/2002	<1.85	<0.11	2.8	0.0791	287	<0.009	<0.02	<0.19	<0.03
FSW 343-M02-04BUT	6/18/2002	<1.85	<0.11	2.6	0.0724	261	<0.009	<0.02	<0.19	<0.03
FSW 343-M02-05BKT	6/18/2002	<1.85	<0.11	2.7	0.0783	290	<0.009	0.03	<0.19	<0.03
FSW 343-M02-06WT	6/18/2002	<1.85	<0.11	2.8	0.0664	283	<0.009	0.04	<0.19	<0.03
FSW 343-M02-07O	6/18/2002	<1.85	<0.11	3.3	0.1356	354	<0.009	0.06	<0.19	<0.03
FSW 343-M02-08GY	6/18/2002	<1.85	<0.11	3.3	0.0970	328	<0.009	0.06	<0.19	<0.03
FSW 343-M02-09Y	6/18/2002	<1.85	<0.11	3.5	0.0809	359	<0.009	0.09	<0.19	<0.03
FSW 343-M02-10P	6/18/2002	<1.85	0.14	3.7	0.0952	316	<0.009	0.12	<0.19	<0.03
FSW 343-M02-11GN	6/18/2002	<1.85	0.15	3.6	0.0611	315	<0.009	0.07	<0.19	<0.03
FSW 343-M02-12R	6/18/2002	<1.85	0.15	3.4	0.0562	221	<0.009	0.07	<0.19	<0.03

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
FSW 343-M02-13BU	6/18/2002	<1.85	<0.11	3.4	0.0632	175	<0.009	0.12	<0.19	<0.03
FSW 343-M02-14BK	6/18/2002	<1.85	<0.11	3.0	0.0651	194	<0.009	0.06	<0.19	<0.03
FSW 343-M02-15W	6/18/2002	<1.85	<0.11	2.2	0.0668	209	<0.009	0.11	<0.19	<0.03
FSW 343-M02-15W-D	6/18/2002	<1.85	<0.11	2.3	0.0695	214	<0.009	0.12	<0.19	<0.03
FSW 343-M03-01PT (1-19)	6/18/2002	--	--	--	--	--	--	--	--	--
FSW 343-M03-02GNT (1-19)	6/18/2002	<1.85	<0.11	2.9	0.0809	240	<0.009	0.10	<0.19	0.06
FSW 343-M03-03RT (1-19)	6/18/2002	<1.85	<0.11	0.9	0.0556	42	<0.009	<0.02	<0.19	<0.03
FSW 343-M03-04BUT (1-19)	6/18/2002	<1.85	<0.11	1.2	0.0404	78	<0.009	<0.02	<0.19	<0.03
FSW 343-M03-05BKT (1-19)	6/18/2002	<1.85	<0.11	1.9	0.0506	129	<0.009	<0.02	<0.19	0.07
FSW 343-M03-06WT (1-19)	6/18/2002	<1.85	<0.11	2.2	0.0561	164	<0.009	<0.02	<0.19	0.10
FSW 343-M03-06WT (1-19)-D	6/18/2002	<1.85	<0.11	2.2	0.0577	163	<0.009	<0.02	<0.19	0.10
FSW 343-M03-06WT (1-19)-X	6/18/2002	<1.85	<0.11	2.2	<0.0007	<0.5	<0.009	<0.02	<0.19	0.07
FSW 343-M03-07O (1-19)	6/18/2002	<1.85	<0.11	2.4	0.0560	178	<0.009	0.05	<0.19	0.13
FSW 343-M03-08GY (1-19)	6/18/2002	<1.85	<0.11	2.6	0.0744	199	<0.009	0.18	<0.19	0.12
FSW 343-M03-08GY (1-19)-X	6/18/2002	<1.85	<0.11	2.6	<0.0007	<0.5	<0.009	<0.02	<0.19	0.09
FSW 343-M03-09Y (1-19)	6/18/2002	<1.85	<0.11	2.5	0.0927	200	<0.009	0.22	<0.19	0.12
FSW 343-M03-10P (1-19)	6/18/2002	<1.85	<0.11	2.7	0.0928	216	<0.009	0.18	<0.19	0.10
FSW 343-M03-12R (1-19)	6/18/2002	<1.85	<0.11	2.9	0.0715	261	<0.009	0.05	<0.19	0.04
FSW 343-M03-13BU (1-19)	6/18/2002	<1.85	<0.11	2.9	0.0664	279	<0.009	0.04	<0.19	0.03
FSW 343-M03-14BK (1-19)	6/18/2002	<1.85	<0.11	3.0	0.0776	290	<0.009	0.03	<0.19	0.03
FSW 343-M03-15W (1-19)	6/18/2002	<1.85	<0.11	3.0	0.0798	301	<0.009	0.02	<0.19	<0.03
FSW 343-M01-01PT	8/24/2004	<1.85	<0.11	2.9	0.0410	129	<0.009	0.10	<0.19	<0.03
FSW 343-M01-02GNT	8/24/2004	<1.85	<0.11	1.7	0.0424	128	<0.009	0.03	<0.19	<0.03
FSW 343-M01-03RT	8/24/2004	<1.85	<0.11	1.8	0.1761	165	<0.009	0.03	<0.19	<0.03

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
FSW 343-M01-05BKT	8/24/2004	<1.85	<0.11	2.2	0.8617	96	<0.009	<0.02	<0.19	<0.03
FSW 343-M01-05BKT-D	8/24/2004	<1.85	<0.11	1.6	0.6209	98	<0.009	<0.02	<0.19	<0.03
FSW 343-M01-06WT	8/24/2004	<1.85	<0.11	2.3	0.8630	122	<0.009	<0.02	<0.19	<0.03
FSW 343-M01-07O	8/24/2004	<1.85	<0.11	2.1	0.2964	123	<0.009	<0.02	<0.19	<0.03
FSW 343-M01-08GY	8/24/2004	<1.85	<0.11	1.6	0.0321	106	<0.009	<0.02	<0.19	<0.03
FSW 343-M01-09Y	8/24/2004	<1.85	<0.11	2.4	0.3743	71	<0.009	<0.02	<0.19	<0.03
FSW 343-M01-10P	8/24/2004	<1.85	<0.11	2.7	1.1057	90	<0.009	<0.02	<0.19	<0.03
FSW 343-M01-11GN	8/24/2004	<1.85	<0.11	2.2	0.7848	89	<0.009	<0.02	<0.19	<0.03
FSW 343-M01-12R	8/24/2004	<1.85	<0.11	2.8	1.9493	73	<0.009	<0.02	<0.19	<0.03
FSW 343-M01-13BU	8/24/2004	<1.85	<0.11	1.2	0.0344	109	<0.009	<0.02	<0.19	<0.03
FSW 343-M01-13BU-D	8/24/2004	<1.85	<0.11	1.8	0.6626	112	<0.009	<0.02	<0.19	<0.03
FSW 343-M01-14BK	8/24/2004	<1.85	<0.11	2.0	0.7284	59	<0.009	<0.02	<0.19	<0.03
FSW 343-M01-15W	8/24/2004	<1.85	<0.11	1.6	0.6942	56	<0.009	<0.02	<0.19	<0.03
FSW 343-M02-01PT	8/23/2004	<1.85	<0.11	3.2	0.0573	313	<0.009	0.04	<0.19	0.07
FSW 343-M02-02GNT	8/23/2004	<1.85	<0.11	4.6	1.3373	362	<0.009	<0.02	<0.19	0.13
FSW 343-M02-03RT	8/23/2004	<1.85	<0.11	3.5	0.7326	335	<0.009	<0.02	<0.19	0.06
FSW 343-M02-04BUT	8/23/2004	<1.85	<0.11	2.9	0.5984	308	<0.009	<0.02	<0.19	0.06
FSW 343-M02-05BKT	8/23/2004	<1.85	<0.11	2.6	0.1646	294	<0.009	<0.02	<0.19	<0.03
FSW 343-M02-05BKT-D	8/23/2004	<1.85	<0.11	3.2	0.8357	295	<0.009	<0.02	<0.19	0.10
FSW 343-M02-06WT	8/23/2004	<1.85	<0.11	2.4	0.0379	264	<0.009	0.04	<0.19	<0.03
FSW 343-M02-07O	8/23/2004	<1.85	<0.11	3.3	0.1774	240	<0.009	0.05	<0.19	<0.03
FSW 343-M02-08GY	8/23/2004	<1.85	<0.11	3.5	0.1549	244	<0.009	0.05	<0.19	<0.03
FSW 343-M02-09Y	8/23/2004	<1.85	<0.11	3.3	0.0461	198	<0.009	0.06	<0.19	<0.03
FSW 343-M02-10P	8/23/2004	<1.85	<0.11	4.2	0.1208	213	<0.009	0.08	<0.19	<0.03
FSW 343-M02-11GN	8/23/2004	<1.85	<0.11	4.4	0.1018	162	0.010	0.05	<0.19	<0.03

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
FSW 343-M02-12R	8/23/2004	<1.85	<0.11	4.5	0.5268	120	<0.009	0.05	<0.19	0.04
FSW 343-M02-14BK	8/23/2004	<1.85	<0.11	3.6	0.0364	140	0.010	0.07	<0.19	<0.03
FSW 343-M02-15W	8/23/2004	<1.85	<0.11	2.6	0.1529	129	<0.009	0.06	<0.19	<0.03
FSW 343-M03-01PT (1-19)	8/24/2004	<1.85	<0.11	1.0	0.2146	17	<0.009	<0.02	<0.19	<0.03
FSW 343-M03-02GNT (1-19)	8/24/2004	<1.85	<0.11	1.3	0.4812	19	<0.009	<0.02	<0.19	<0.03
FSW 343-M03-03RT (1-19)	8/24/2004	<1.85	<0.11	2.5	1.2002	21	<0.009	<0.02	<0.19	0.04
FSW 343-M03-04BUT (1-19)	8/24/2004	<1.85	<0.11	6.7	1.5613	56	<0.009	<0.02	<0.19	0.07
FSW 343-M03-05BKT (1-19)	8/24/2004	<1.85	<0.11	2.3	0.1582	86	<0.009	<0.02	<0.19	0.12
FSW 343-M03-06WT (1-19)	8/24/2004	<1.85	<0.11	2.2	0.0331	104	<0.009	<0.02	<0.19	0.15
FSW 343-M03-06WT (1-19)-D	8/24/2004	<1.85	<0.11	3.3	0.9338	105	<0.009	<0.02	<0.19	0.17
FSW 343-M03-07O (1-19)	8/24/2004	<1.85	<0.11	4.2	1.1232	128	<0.009	0.04	<0.19	0.24
FSW 343-M03-08GY (1-19)	8/24/2004	<1.85	<0.11	4.7	0.9864	195	<0.009	0.16	<0.19	0.25
FSW 343-M03-09Y (1-19)	8/24/2004	<1.85	<0.11	4.0	0.2314	229	<0.009	0.22	<0.19	0.22
FSW 343-M03-10P (1-19)	8/24/2004	<1.85	<0.11	4.4	0.7360	247	<0.009	0.17	<0.19	0.22
FSW 343-M03-11GN (1-19)	8/24/2004	<1.85	<0.11	3.2	0.0623	261	<0.009	0.10	<0.19	0.11
FSW 343-M03-12R (1-19)	8/24/2004	<1.85	<0.11	4.4	1.1140	281	<0.009	0.04	<0.19	0.13
FSW 343-M03-13BU (1-19)	8/24/2004	<1.85	<0.11	4.0	1.1219	282	<0.009	0.03	<0.19	0.11
FSW 343-M03-14BK (1-19)	8/24/2004	<1.85	<0.11	4.1	1.0679	301	<0.009	<0.02	<0.19	0.09
FSW 343-M03-15W (1-19)	8/24/2004	<1.85	<0.11	2.3	0.0558	314	<0.009	<0.02	<0.19	0.04
FSW 424-M01-01PT	12/1/1994	<1.85	--	33.8	--	400	--	--	<0.19	<0.10
FSW 424-M01-02GNT	12/1/1994	<1.85	--	33.2	--	244	--	--	<0.19	<0.10
FSW 424-M01-03RT	12/1/1994	<1.85	--	31.7	--	623	--	--	<0.19	<0.10
FSW 424-M01-04BUT	12/1/1994	<1.85	--	30.6	--	767	--	--	<0.19	<0.10
FSW 424-M01-05BKT	12/1/1994	<1.85	--	24.2	--	350	--	--	<0.19	<0.10

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
FSW 424-M01-06WT	12/1/1994	<1.85	--	25.8	--	362	--	--	<0.19	<0.10
FSW 424-M01-07O	12/1/1994	<1.85	--	23.3	--	269	--	--	<0.19	<0.10
FSW 424-M01-08GY	12/1/1994	<1.85	--	19.2	--	301	--	--	<0.19	<0.10
FSW 424-M01-09Y	12/1/1994	<1.85	--	17.9	--	141	--	--	<0.19	<0.10
FSW 424-M01-10P	12/1/1994	<1.85	--	12.8	--	159	--	--	<0.19	<0.10
FSW 424-M01-11GN	12/1/1994	<1.85	--	8.7	--	207	--	--	<0.19	<0.10
FSW 424-M01-12R	12/1/1994	<1.85	--	6.2	--	67	--	--	<0.19	<0.10
FSW 424-M01-13BU	12/1/1994	<1.85	--	5.1	--	78	--	--	<0.19	<0.10
FSW 424-M01-13BU-D	12/1/1994	<1.85	--	5.8	--	159	--	--	<0.19	<0.10
FSW 424-M01-14BK	12/1/1994	<1.85	--	3.1	--	157	--	--	<0.19	<0.10
FSW 424-M01-15W	12/1/1994	<1.85	--	2.3	--	101	--	--	<0.19	<0.10
FSW 424-M02-01PT (72-13)	12/2/1994	<1.85	--	1.2	--	67	--	--	<0.19	<0.10
FSW 424-M02-02GNT (72-13)	12/2/1994	<1.85	--	1.0	--	65	--	--	<0.19	<0.10
FSW 424-M02-03RT (72-13)	12/2/1994	<1.85	--	1.0	--	53	--	--	<0.19	<0.10
FSW 424-M02-04BUT (72-13)	12/2/1994	<1.85	--	0.9	--	43	--	--	<0.19	<0.10
FSW 424-M02-05BKT (72-13)	12/2/1994	<1.85	--	1.3	--	41	--	--	<0.19	<0.10
FSW 424-M02-06WT (72-13)	12/2/1994	<1.85	--	3.6	--	64	--	--	<0.19	<0.10
FSW 424-M02-07O (72-13)	12/2/1994	<1.85	--	9.5	--	139	--	--	<0.19	<0.10
FSW 424-M02-08GY (72-13)	12/2/1994	<1.85	--	18.7	--	232	--	--	<0.19	<0.10
FSW 424-M02-09Y (72-13)	12/2/1994	<1.85	--	33.0	--	388	--	--	<0.19	<0.10
FSW 424-M02-10P (72-13)	12/2/1994	<1.85	--	37.0	--	444	--	--	<0.19	<0.10
FSW 424-M02-11GN (72-13)	12/2/1994	<1.85	--	38.9	--	434	--	--	<0.19	<0.10
FSW 424-M02-12R (72-13)	12/2/1994	<1.85	--	40.8	--	341	--	--	<0.19	<0.10
FSW 424-M02-13BU (72-13)	12/2/1994	<1.85	--	42.1	--	310	--	--	<0.19	<0.10
FSW 424-M02-14BK (72-13)	12/2/1994	<1.85	--	41.0	--	391	--	--	<0.19	<0.10

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
FSW 424-M02-14BK (72-13)-D	12/2/1994	<1.85	--	40.0	--	267	--	--	<0.19	<0.10
FSW 424-M02-15W (72-13)	12/2/1994	<1.85	--	39.0	--	222	--	--	<0.19	<0.10
FSW 424-M01-01PT	7/9/1996	<1.85	--	36.1	--	233	--	--	<0.19	<0.10
FSW 424-M01-02GNT	7/9/1996	<1.85	--	42.2	--	189	--	--	<0.19	<0.10
FSW 424-M01-02GNT-D	7/9/1996	<1.85	--	41.0	--	194	--	--	<0.19	<0.10
FSW 424-M01-03RT	7/9/1996	<1.85	--	23.2	--	154	--	--	<0.19	<0.10
FSW 424-M01-04BUT	7/9/1996	<1.85	--	17.1	--	131	--	--	<0.19	<0.10
FSW 424-M01-05BKT	7/9/1996	<1.85	--	14.6	--	71	--	--	<0.19	<0.10
FSW 424-M01-06WT	7/9/1996	<1.85	--	17.8	--	72	--	--	<0.19	<0.10
FSW 424-M01-07O	7/9/1996	<1.85	--	15.1	--	66	--	--	<0.19	<0.10
FSW 424-M01-08GY	7/9/1996	<1.85	--	12.3	--	61	--	--	<0.19	<0.10
FSW 424-M01-09Y	7/9/1996	<1.85	--	9.6	--	66	--	--	<0.19	<0.10
FSW 424-M01-10P	7/9/1996	<1.85	--	7.1	--	60	--	--	<0.19	<0.10
FSW 424-M01-11GN	7/9/1996	<1.85	--	5.6	--	59	--	--	<0.19	<0.10
FSW 424-M01-11GN-D	7/9/1996	<1.85	--	5.3	--	55	--	--	<0.19	<0.10
FSW 424-M01-12R	7/9/1996	<1.85	--	4.9	--	50	--	--	<0.19	<0.10
FSW 424-M01-13BU	7/9/1996	<1.85	--	4.3	--	62	--	--	<0.19	<0.10
FSW 424-M01-14BK	7/9/1996	<1.85	--	3.2	--	85	--	--	<0.19	<0.10
FSW 424-M01-15W	7/9/1996	<1.85	--	2.5	--	96	--	--	<0.19	<0.10
FSW 424-M02-01PT (72-13)	7/10/1996	<1.85	--	2.2	--	172	--	--	<0.19	<0.10
FSW 424-M02-02GNT (72-13)	7/10/1996	<1.85	--	1.8	--	100	--	--	<0.19	<0.10
FSW 424-M02-03RT (72-13)	7/10/1996	<1.85	--	1.7	--	62	--	--	<0.19	<0.10
FSW 424-M02-04BUT (72-13)	7/10/1996	<1.85	--	1.6	--	60	--	--	<0.19	<0.10
FSW 424-M02-05BKT (72-13)	7/10/1996	<1.85	--	1.9	--	57	--	--	<0.19	<0.10

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
FSW 424-M02-05BKT (72-13)-D	7/10/1996	<1.85	--	2.5	--	55	--	--	<0.19	<0.10
FSW 424-M02-06WT (72-13)	7/10/1996	<1.85	--	4.4	--	71	--	--	<0.19	<0.10
FSW 424-M02-07O (72-13)	7/10/1996	<1.85	--	8.2	--	77	--	--	<0.19	<0.10
FSW 424-M02-08GY (72-13)	7/10/1996	<1.85	--	13.7	--	105	--	--	<0.19	<0.10
FSW 424-M02-09Y (72-13)	7/10/1996	<1.85	--	15.8	--	146	--	--	<0.19	<0.10
FSW 424-M02-10P (72-13)	7/10/1996	<1.85	--	22.9	--	254	--	--	<0.19	<0.10
FSW 424-M02-11GN (72-13)	7/10/1996	<1.85	--	30.3	--	322	--	--	<0.19	<0.10
FSW 424-M02-12R (72-13)	7/10/1996	<1.85	--	30.8	--	364	--	--	<0.19	<0.10
FSW 424-M02-13BU (72-13)	7/10/1996	<1.85	--	31.9	--	384	--	--	<0.19	<0.10
FSW 424-M02-14BK (72-13)	7/10/1996	<1.85	--	31.6	--	367	--	--	<0.19	<0.10
FSW 424-M02-14BK (72-13)-D	7/10/1996	<1.85	--	34.7	--	406	--	--	<0.19	<0.10
FSW 424-M02-15W (72-13)	7/10/1996	<1.85	--	33.3	--	379	--	--	<0.19	<0.10
FSW 424-M01-01PT	6/11/1997	<1.85	--	31.1	--	218	--	--	<0.19	<0.10
FSW 424-M01-01PT-D	6/11/1997	<1.85	--	30.6	--	217	--	--	<0.19	<0.10
FSW 424-M01-02GNT	6/11/1997	<1.85	--	28.8	--	201	--	--	<0.19	<0.10
FSW 424-M01-03RT	6/11/1997	<1.85	--	24.1	--	171	--	--	<0.19	<0.10
FSW 424-M01-04BUT	6/11/1997	<1.85	--	18.2	--	220	--	--	<0.19	<0.10
FSW 424-M01-05BKT	6/11/1997	<1.85	--	6.9	--	167	--	--	<0.19	<0.10
FSW 424-M01-06WT	6/11/1997	<1.85	--	5.6	--	133	--	--	<0.19	<0.10
FSW 424-M01-07O	6/11/1997	<1.85	--	4.7	--	147	--	--	<0.19	<0.10
FSW 424-M01-08GY	6/11/1997	<1.85	--	4.7	--	176	--	--	<0.19	<0.10
FSW 424-M01-09Y	6/11/1997	<1.85	--	3.7	--	169	--	--	<0.19	<0.10
FSW 424-M01-09Y-D	6/11/1997	<1.85	--	3.9	--	168	--	--	<0.19	<0.10
FSW 424-M01-10P	6/11/1997	<1.85	--	3.0	--	138	--	--	<0.19	<0.10
FSW 424-M01-11GN	6/11/1997	<1.85	--	2.6	--	113	--	--	<0.19	<0.10

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
FSW 424-M01-12R	6/11/1997	<1.85	--	2.3	--	111	--	--	<0.19	<0.10
FSW 424-M01-13BU	6/11/1997	<1.85	--	2.2	--	96	--	--	<0.19	<0.10
FSW 424-M01-14BK	6/11/1997	<1.85	--	1.7	--	109	--	--	<0.19	<0.10
FSW 424-M01-15W	6/11/1997	<1.85	--	1.9	--	116	--	--	<0.19	<0.10
FSW 424-M02-01PT (72-13)	6/11/1997	<1.85	--	1.3	--	105	--	--	<0.19	<0.10
FSW 424-M02-02GNT (72-13)	6/11/1997	<1.85	--	0.8	--	93	--	--	<0.19	<0.10
FSW 424-M02-03RT (72-13)	6/11/1997	<1.85	--	0.6	--	73	--	--	<0.19	<0.10
FSW 424-M02-04BUT (72-13)	6/11/1997	<1.85	--	0.6	--	51	--	--	<0.19	<0.10
FSW 424-M02-04BUT (72-13)-D	6/11/1997	<1.85	--	0.4	--	51	--	--	<0.19	<0.10
FSW 424-M02-05BKT (72-13)	6/11/1997	<1.85	--	0.5	--	36	--	--	<0.19	<0.10
FSW 424-M02-06WT (72-13)	6/11/1997	<1.85	--	1.2	--	36	--	--	<0.19	<0.10
FSW 424-M02-07O (72-13)	6/11/1997	<1.85	--	3.6	--	60	--	--	<0.19	<0.10
FSW 424-M02-08GY (72-13)	6/11/1997	<1.85	--	7.0	--	110	--	--	<0.19	<0.10
FSW 424-M02-09Y (72-13)	6/11/1997	<1.85	--	12.7	--	220	--	--	<0.19	<0.10
FSW 424-M02-10P (72-13)	6/11/1997	<1.85	--	19.5	--	384	--	--	<0.19	<0.10
FSW 424-M02-11GN (72-13)	6/11/1997	<1.85	--	25.9	--	466	--	--	<0.19	<0.10
FSW 424-M02-12R (72-13)	6/11/1997	<1.85	--	31.5	--	476	--	--	<0.19	<0.10
FSW 424-M02-13BU (72-13)	6/11/1997	<1.85	--	33.8	--	369	--	--	<0.19	<0.10
FSW 424-M02-13BU (72-13)-D	6/11/1997	<1.85	--	33.7	--	370	--	--	<0.19	<0.10
FSW 424-M02-14BK (72-13)	6/11/1997	<1.85	--	35.1	--	219	--	--	<0.19	<0.10
FSW 424-M02-15W (72-13)	6/11/1997	<1.85	--	33.2	--	215	--	--	<0.19	<0.10
FSW 424-M01-01PT	6/10/1998	<1.85	<0.67	31.6	--	263	<0.04	--	<0.19	<0.10
FSW 424-M01-02GNT	6/10/1998	<1.85	<0.67	32.0	--	197	<0.04	--	<0.19	<0.10
FSW 424-M01-03RT	6/10/1998	<1.85	<0.67	29.2	--	202	<0.04	--	<0.19	<0.10

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
FSW 424-M01-04BUT	6/10/1998	<1.85	<0.67	28.4	--	208	<0.04	--	<0.19	<0.10
FSW 424-M01-05BKT	6/10/1998	<1.85	<0.67	24.3	--	211	<0.04	--	<0.19	<0.10
FSW 424-M01-06WT	6/10/1998	<1.85	<0.67	17.5	--	183	<0.04	--	<0.19	<0.10
FSW 424-M01-06WT-D	6/10/1998	<1.85	<0.67	17.3	--	187	<0.04	--	<0.19	<0.10
FSW 424-M01-07O	6/10/1998	<1.85	<0.67	18.0	--	165	<0.04	--	<0.19	<0.10
FSW 424-M01-08GY	6/10/1998	<1.85	<0.67	16.7	--	182	<0.04	--	<0.19	<0.10
FSW 424-M01-09Y	6/10/1998	<1.85	<0.67	11.7	--	194	<0.04	--	<0.19	<0.10
FSW 424-M01-10P	6/10/1998	<1.85	<0.67	4.5	--	152	<0.04	--	<0.19	<0.10
FSW 424-M01-11GN	6/10/1998	<1.85	<0.67	3.0	--	122	<0.04	--	<0.19	<0.10
FSW 424-M01-12R	6/10/1998	<1.85	<0.67	2.1	--	101	<0.04	--	<0.19	<0.10
FSW 424-M01-13BU	6/10/1998	<1.85	<0.67	1.8	--	88	<0.04	--	<0.19	<0.10
FSW 424-M01-14BK	6/10/1998	<1.85	<0.67	1.3	--	82	<0.04	--	<0.19	<0.10
FSW 424-M01-15W	6/10/1998	<1.85	<0.67	1.4	--	97	<0.04	--	<0.19	<0.10
FSW 424-M01-15W-D	6/10/1998	<1.85	<0.67	1.2	--	100	<0.04	--	<0.19	<0.10
FSW 424-M02-01PT (72-13)	6/10/1998	<1.85	<0.67	0.8	--	57	<0.04	--	<0.19	<0.10
FSW 424-M02-02GNT (72-13)	6/10/1998	<1.85	<0.67	0.4	--	46	<0.04	--	<0.19	<0.10
FSW 424-M02-03RT (72-13)	6/10/1998	<1.85	<0.67	0.6	--	42	<0.04	--	<0.19	<0.10
FSW 424-M02-04BUT (72-13)	6/10/1998	<1.85	<0.67	1.0	--	46	<0.04	--	<0.19	<0.10
FSW 424-M02-05BKT (72-13)	6/10/1998	<1.85	<0.67	0.9	--	41	<0.04	--	<0.19	<0.10
FSW 424-M02-06WT (72-13)	6/10/1998	<1.85	<0.67	3.1	--	61	<0.04	--	<0.19	<0.10
FSW 424-M02-07O (72-13)	6/10/1998	<1.85	<0.67	8.3	--	121	<0.04	--	<0.19	<0.10
FSW 424-M02-08GY (72-13)	6/10/1998	<1.85	<0.67	17.1	--	251	<0.04	--	<0.19	<0.10
FSW 424-M02-09Y (72-13)	6/10/1998	<1.85	<0.67	22.7	--	344	<0.04	--	<0.19	<0.10
FSW 424-M02-09Y (72-13)-D	6/10/1998	<1.85	<0.67	22.2	--	353	<0.04	--	<0.19	<0.10
FSW 424-M02-10P (72-13)	6/10/1998	<1.85	<0.67	29.3	--	433	<0.04	--	<0.19	<0.10

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
FSW 424-M02-11GN (72-13)	6/10/1998	<1.85	<0.67	30.8	--	452	<0.04	--	<0.19	<0.10
FSW 424-M02-12R (72-13)	6/10/1998	<1.85	<0.67	31.4	--	439	<0.04	--	<0.19	<0.10
FSW 424-M02-13BU (72-13)	6/10/1998	<1.85	<0.67	31.7	--	423	<0.04	--	<0.19	<0.10
FSW 424-M02-14BK (72-13)	6/10/1998	<1.85	<0.67	31.7	--	412	<0.04	--	<0.19	<0.10
FSW 424-M02-15W (72-13)	6/10/1998	<1.85	<0.67	30.2	--	345	<0.04	--	<0.19	<0.10
FSW 424-M01-01PT	6/29/1999	<1.85	<0.67	34.4	--	347	<0.04	--	<0.19	<0.10
FSW 424-M01-02GNT	6/29/1999	<1.85	<0.67	34.4	--	224	<0.04	--	<0.19	<0.10
FSW 424-M01-03RT	6/29/1999	<1.85	<0.67	32.9	--	227	<0.04	--	<0.19	<0.10
FSW 424-M01-04BUT	6/29/1999	<1.85	<0.67	31.4	--	190	<0.04	--	<0.19	<0.10
FSW 424-M01-05BKT	6/29/1999	<1.85	<0.67	28.5	--	239	<0.04	--	<0.19	<0.10
FSW 424-M01-06WT	6/29/1999	<1.85	<0.67	27.8	--	234	<0.04	--	<0.19	<0.10
FSW 424-M01-06WT-D	6/29/1999	<1.85	<0.67	26.5	--	222	<0.04	--	<0.19	<0.10
FSW 424-M01-07O	6/29/1999	<1.85	<0.67	24.1	--	200	<0.04	--	<0.19	<0.10
FSW 424-M01-08GY	6/29/1999	<1.85	<0.67	15.8	--	95	<0.04	--	<0.19	<0.10
FSW 424-M01-09Y	6/29/1999	<1.85	<0.67	9.9	--	63	<0.04	--	<0.19	<0.10
FSW 424-M01-10P	6/29/1999	<1.85	<0.67	5.4	--	57	<0.04	--	<0.19	<0.10
FSW 424-M01-11GN	6/29/1999	<1.85	<0.67	3.1	--	36	<0.04	--	<0.19	<0.10
FSW 424-M01-12R	6/29/1999	<1.85	<0.67	2.0	--	48	<0.04	--	<0.19	<0.10
FSW 424-M01-13BU	6/29/1999	<1.85	<0.67	1.6	--	55	<0.04	--	<0.19	<0.10
FSW 424-M01-14BK	6/29/1999	<1.85	<0.67	1.4	--	77	<0.04	--	<0.19	0.20
FSW 424-M01-15W	6/29/1999	<1.85	<0.67	1.0	--	98	<0.04	--	<0.19	<0.10
FSW 424-M02-01PT (72-13)	6/29/1999	<1.85	<0.67	0.5	--	146	<0.04	--	<0.19	<0.10
FSW 424-M02-01PT (72-13)-D	6/29/1999	2.52	<0.67	<0.30	--	142	<0.04	--	<0.19	<0.10
FSW 424-M02-02GNT (72-13)	6/29/1999	<1.85	<0.67	0.4	--	100	<0.04	--	<0.19	<0.10

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
FSW 424-M02-03RT (72-13)	6/29/1999	<1.85	<0.67	<0.30	--	66	<0.04	--	<0.19	<0.10
FSW 424-M02-04BUT (72-13)	6/29/1999	<1.85	<0.67	0.5	--	55	<0.04	--	<0.19	<0.10
FSW 424-M02-05BKT (72-13)	6/29/1999	<1.85	<0.67	<0.30	--	51	<0.04	--	<0.19	<0.10
FSW 424-M02-05BKT (72-13)-D	6/29/1999	<1.85	<0.67	0.5	--	49	<0.04	--	<0.19	<0.10
FSW 424-M02-06WT (72-13)	6/29/1999	<1.85	<0.67	1.5	--	55	<0.04	--	<0.19	<0.10
FSW 424-M02-07O (72-13)	6/29/1999	<1.85	<0.67	5.4	--	84	<0.04	--	<0.19	<0.10
FSW 424-M02-08GY (72-13)	6/29/1999	<1.85	<0.67	8.1	--	102	<0.04	--	<0.19	<0.10
FSW 424-M02-09Y (72-13)	6/29/1999	<1.85	<0.67	14.1	--	150	<0.04	--	<0.19	<0.10
FSW 424-M02-10P (72-13)	6/29/1999	<1.85	<0.67	20.8	--	197	<0.04	--	<0.19	<0.10
FSW 424-M02-11GN (72-13)	6/29/1999	<1.85	<0.67	23.3	--	212	<0.04	--	<0.19	<0.10
FSW 424-M02-12R (72-13)	6/29/1999	<1.85	<0.67	26.4	--	209	0.057	--	<0.19	<0.10
FSW 424-M02-13BU (72-13)	6/29/1999	<1.85	<0.67	28.2	--	230	<0.04	--	<0.19	<0.10
FSW 424-M02-14BK (72-13)	6/29/1999	<1.85	<0.67	32.0	--	284	<0.04	--	<0.19	<0.10
FSW 424-M02-15W (72-13)	6/29/1999	<1.85	<0.67	34.2	--	348	<0.04	--	<0.19	<0.10
FSW 424-M01-01PT	6/5/2000	<1.85	<0.11	22.8	0.1642	170	<0.009	0.21	<0.19	<0.03
FSW 424-M01-02GNT	6/5/2000	<1.85	<0.11	31.7	0.1044	133	<0.009	0.21	<0.19	<0.03
FSW 424-M01-03RT	6/5/2000	<1.85	<0.11	27.5	0.1072	112	<0.009	0.14	<0.19	<0.03
FSW 424-M01-04BUT	6/5/2000	<1.85	<0.11	21.6	0.1346	123	<0.009	0.09	<0.19	<0.03
FSW 424-M01-05BKT	6/5/2000	<1.85	<0.11	16.3	0.1003	106	<0.009	0.08	<0.19	<0.03
FSW 424-M01-06WT	6/5/2000	<1.85	<0.11	16.5	0.0521	72	<0.009	0.07	<0.19	<0.03
FSW 424-M01-07O	6/5/2000	<1.85	<0.11	18.7	0.0461	59	<0.009	0.09	<0.19	<0.03
FSW 424-M01-08GY	6/5/2000	<1.85	<0.11	12.5	0.0272	36	<0.009	0.11	<0.19	<0.03
FSW 424-M01-09Y	6/5/2000	<1.85	<0.11	8.7	0.0239	30	<0.009	0.07	<0.19	<0.03
FSW 424-M01-10P	6/5/2000	<1.85	<0.11	5.1	0.0237	32	<0.009	0.08	<0.19	<0.03
FSW 424-M01-11GN	6/5/2000	<1.85	<0.11	3.9	0.0229	24	<0.009	0.04	<0.19	<0.03

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
FSW 424-M01-12R	6/5/2000	<1.85	<0.11	3.3	0.0283	26	<0.009	<0.02	<0.19	<0.03
FSW 424-M01-13BU	6/5/2000	<1.85	<0.11	2.7	0.0277	52	<0.009	0.04	<0.19	<0.03
FSW 424-M01-13BU-D	6/5/2000	<1.85	<0.11	2.8	0.0300	54	<0.009	0.05	<0.19	<0.03
FSW 424-M01-14BK	6/5/2000	<1.85	<0.11	2.3	0.0252	48	<0.009	<0.02	<0.19	<0.03
FSW 424-M01-15W	6/5/2000	<1.85	<0.11	2.3	0.0401	89	<0.009	<0.02	<0.19	<0.03
FSW 424-M02-01PT (72-13)	6/6/2000	2.05	<0.11	1.3	0.0625	107	<0.009	<0.02	<0.19	<0.03
FSW 424-M02-02GNT (72-13)	6/6/2000	<1.85	<0.11	1.2	0.0695	118	<0.009	<0.02	<0.19	<0.03
FSW 424-M02-02GNT (72-13)-D	6/6/2000	<1.85	<0.11	1.3	0.0807	126	<0.009	<0.02	<0.19	<0.03
FSW 424-M02-03RT (72-13)	6/6/2000	<1.85	<0.11	1.3	0.1083	139	<0.009	<0.02	<0.19	<0.03
FSW 424-M02-04BUT (72-13)	6/6/2000	<1.85	<0.11	2.1	0.1678	169	<0.009	<0.02	<0.19	<0.03
FSW 424-M02-05BKT (72-13)	6/6/2000	<1.85	<0.11	2.6	0.1556	104	<0.009	<0.02	<0.19	<0.03
FSW 424-M02-06WT (72-13)	6/6/2000	<1.85	<0.11	5.5	0.1332	93	<0.009	<0.02	<0.19	<0.03
FSW 424-M02-07O (72-13)	6/6/2000	<1.85	<0.11	8.6	0.1409	103	<0.009	<0.02	<0.19	<0.03
FSW 424-M02-07O (72-13)-D	6/6/2000	<1.85	<0.11	9.1	0.1472	109	<0.009	<0.02	<0.19	<0.03
FSW 424-M02-08GY (72-13)	6/6/2000	<1.85	<0.11	10.0	0.1398	107	<0.009	<0.02	<0.19	<0.03
FSW 424-M02-09Y (72-13)	6/6/2000	<1.85	<0.11	12.9	0.1767	145	<0.009	<0.02	<0.19	<0.03
FSW 424-M02-10P (72-13)	6/6/2000	<1.85	<0.11	15.1	0.2074	197	<0.009	0.03	<0.19	0.05
FSW 424-M02-11GN (72-13)	6/6/2000	<1.85	<0.11	16.5	0.2300	258	<0.009	0.03	<0.19	0.06
FSW 424-M02-12R (72-13)	6/6/2000	<1.85	<0.11	17.0	0.2053	308	<0.009	<0.02	<0.19	<0.03
FSW 424-M02-13BU (72-13)	6/6/2000	<1.85	<0.11	16.6	0.2168	256	<0.009	0.08	<0.19	<0.03
FSW 424-M02-14BK (72-13)	6/6/2000	<1.85	<0.11	19.3	0.2058	260	<0.009	0.06	<0.19	<0.03
FSW 424-M02-15W (72-13)	6/6/2000	<1.85	<0.11	25.1	0.1868	257	<0.009	0.10	<0.19	0.07
FSW 424-M01-01PT	7/19/2001	<1.85	<0.11	10.1	0.1142	115	<0.009	0.13	<0.19	<0.03
FSW 424-M01-02GNT	7/19/2001	<1.85	<0.11	9.5	0.0734	81	<0.009	0.10	<0.19	0.07

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Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
FSW 424-M01-03RT	7/19/2001	<1.85	<0.11	6.3	0.2094	221	<0.009	0.13	<0.19	<0.03
FSW 424-M01-04BUT	7/19/2001	<1.85	<0.11	4.9	0.1965	209	<0.009	0.07	<0.19	<0.03
FSW 424-M01-05BKT	7/19/2001	<1.85	<0.11	5.0	0.1116	113	<0.009	0.05	<0.19	<0.03
FSW 424-M01-06WT	7/19/2001	<1.85	<0.11	5.2	0.0317	43	<0.009	0.03	<0.19	<0.03
FSW 424-M01-07O	7/19/2001	<1.85	<0.11	4.9	0.0237	26	<0.009	0.03	<0.19	<0.03
FSW 424-M01-08GY	7/19/2001	<1.85	<0.11	3.5	0.0201	19	<0.009	0.06	<0.19	<0.03
FSW 424-M01-09Y	7/19/2001	<1.85	<0.11	2.5	0.0308	35	<0.009	0.08	<0.19	<0.03
FSW 424-M01-10P	7/19/2001	<1.85	<0.11	2.1	0.0246	27	<0.009	0.04	<0.19	<0.03
FSW 424-M01-11GN	7/19/2001	<1.85	<0.11	1.9	0.0328	30	<0.009	0.03	<0.19	<0.03
FSW 424-M01-11GN-D	7/19/2001	<1.85	<0.11	1.9	0.0326	30	<0.009	0.03	<0.19	<0.03
FSW 424-M01-12R	7/19/2001	<1.85	<0.11	1.8	0.0458	37	<0.009	<0.02	<0.19	<0.03
FSW 424-M01-13BU	7/19/2001	<1.85	<0.11	1.8	0.0297	53	<0.009	0.04	<0.19	<0.03
FSW 424-M01-14BK	7/19/2001	<1.85	<0.11	1.8	0.0315	70	<0.009	<0.02	<0.19	<0.03
FSW 424-M01-15W	7/19/2001	<1.85	<0.11	1.7	0.0383	90	<0.009	<0.02	<0.19	<0.03
FSW 424-M02-01PT (72-13)	7/19/2001	2.97	<0.11	1.1	0.1345	117	<0.009	<0.02	<0.19	<0.03
FSW 424-M02-02GNT (72-13)	7/19/2001	<1.85	<0.11	1.1	0.1137	80	<0.009	<0.02	0.24	<0.03
FSW 424-M02-03RT (72-13)	7/19/2001	<1.85	<0.11	1.1	0.0907	61	<0.009	<0.02	<0.19	<0.03
FSW 424-M02-04BUT (72-13)	7/19/2001	<1.85	<0.11	1.1	0.0655	52	<0.009	<0.02	<0.19	<0.03
FSW 424-M02-05BKT (72-13)	7/19/2001	<1.85	<0.11	1.9	0.0975	52	<0.009	<0.02	<0.19	<0.03
FSW 424-M02-06WT (72-13)	7/19/2001	<1.85	<0.11	3.4	0.1326	78	<0.009	<0.02	<0.19	<0.03
FSW 424-M02-07O (72-13)	7/19/2001	<1.85	<0.11	3.9	0.1618	121	<0.009	<0.02	<0.19	<0.03
FSW 424-M02-07O (72-13)-D	7/19/2001	<1.85	<0.11	3.9	0.1608	121	<0.009	<0.02	<0.19	<0.03
FSW 424-M02-08GY (72-13)	7/19/2001	<1.85	<0.11	4.7	0.2037	176	<0.009	<0.02	<0.19	<0.03
FSW 424-M02-09Y (72-13)	7/19/2001	<1.85	<0.11	5.8	0.2216	227	<0.009	<0.02	<0.19	<0.03
FSW 424-M02-10P (72-13)	7/19/2001	<1.85	<0.11	7.7	0.2207	302	<0.009	<0.02	<0.19	<0.03

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
FSW 424-M02-11GN (72-13)	7/19/2001	<1.85	<0.11	9.0	0.2224	313	<0.009	<0.02	<0.19	<0.03
FSW 424-M02-12R (72-13)	7/19/2001	<1.85	<0.11	9.4	0.2326	333	<0.009	<0.02	<0.19	<0.03
FSW 424-M02-13BU (72-13)	7/19/2001	<1.85	<0.11	8.5	0.3050	332	<0.009	0.10	<0.19	3.09
FSW 424-M02-14BK (72-13)	7/19/2001	<1.85	<0.11	8.6	0.2532	407	<0.009	0.08	<0.19	<0.03
FSW 424-M02-15W (72-13)	7/19/2001	<1.85	<0.11	8.5	0.1758	343	<0.009	0.10	<0.19	<0.03
FSW 424-M01-01PT	7/9/2002	<1.85	<0.11	7.0	0.3427	418	<0.009	0.38	<0.19	<0.03
FSW 424-M01-02GNT	7/9/2002	<1.85	<0.11	6.6	0.4342	475	<0.009	0.45	<0.19	<0.03
FSW 424-M01-03RT	7/9/2002	<1.85	<0.11	6.5	0.4473	505	<0.009	0.27	<0.19	<0.03
FSW 424-M01-04BUT	7/9/2002	<1.85	<0.11	5.2	0.3148	409	<0.009	0.12	<0.19	<0.03
FSW 424-M01-04BUT-D	7/9/2002	<1.85	<0.11	5.1	0.3136	411	<0.009	0.12	<0.19	<0.03
FSW 424-M01-05BKT	7/9/2002	<1.85	<0.11	4.1	0.1924	243	<0.009	0.10	<0.19	<0.03
FSW 424-M01-06WT	7/9/2002	<1.85	<0.11	3.8	0.1212	166	<0.009	0.06	<0.19	<0.03
FSW 424-M01-07O	7/9/2002	<1.85	<0.11	3.3	0.0821	119	<0.009	0.07	<0.19	<0.03
FSW 424-M01-08GY	7/9/2002	<1.85	<0.11	2.8	0.0544	90	<0.009	0.17	<0.19	<0.03
FSW 424-M01-09Y	7/9/2002	<1.85	<0.11	2.3	0.0518	88	<0.009	0.14	<0.19	<0.03
FSW 424-M01-10P	7/9/2002	<1.85	<0.11	1.8	0.0366	56	<0.009	0.05	<0.19	<0.03
FSW 424-M01-11GN	7/9/2002	<1.85	<0.11	1.7	0.0466	58	<0.009	0.02	<0.19	<0.03
FSW 424-M01-12R	7/9/2002	<1.85	<0.11	1.6	0.0555	64	<0.009	0.01	<0.19	<0.03
FSW 424-M01-13BU	7/9/2002	<1.85	<0.11	1.6	0.0334	62	<0.009	0.04	<0.19	<0.03
FSW 424-M01-14BK	7/9/2002	<1.85	<0.11	1.7	0.0362	73	<0.009	0.01	<0.19	<0.03
FSW 424-M01-15W	7/9/2002	<1.85	<0.11	1.7	0.0354	92	<0.009	0.01	<0.19	<0.03
FSW 424-M02-01PT (72-13)	7/9/2002	--	--	--	--	--	--	--	--	--
FSW 424-M02-02GNT (72-13)	7/9/2002	<1.85	<0.11	0.7	0.0621	74	<0.009	<0.02	<0.19	<0.03
FSW 424-M02-03RT (72-13)	7/9/2002	<1.85	<0.11	0.7	0.0629	66	<0.009	0.00	<0.19	<0.03

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
FSW 424-M02-03RT (72-13)-D	7/9/2002	<1.85	<0.11	0.8	0.0612	63	<0.009	0.00	<0.19	<0.03
FSW 424-M02-04BUT (72-13)	7/9/2002	<1.85	<0.11	0.9	0.0623	64	<0.009	0.00	<0.19	<0.03
FSW 424-M02-05BKT (72-13)	7/9/2002	<1.85	<0.11	1.7	0.1443	98	<0.009	0.00	<0.19	<0.03
FSW 424-M02-06WT (72-13)	7/9/2002	<1.85	<0.11	3.2	0.3175	204	<0.009	0.00	<0.19	<0.03
FSW 424-M02-07O (72-13)	7/9/2002	<1.85	<0.11	4.8	0.3465	236	<0.009	0.01	<0.19	<0.03
FSW 424-M02-08GY (72-13)	7/9/2002	<1.85	<0.11	5.4	0.2821	222	<0.009	0.00	<0.19	<0.03
FSW 424-M02-09Y (72-13)	7/9/2002	<1.85	<0.11	5.9	0.2403	232	<0.009	0.01	<0.19	<0.03
FSW 424-M02-10P (72-13)	7/9/2002	<1.85	<0.11	6.1	0.1773	250	<0.009	0.01	<0.19	<0.03
FSW 424-M02-11GN (72-13)	7/9/2002	<1.85	<0.11	5.8	0.2173	281	<0.009	0.01	<0.19	<0.03
FSW 424-M02-12R (72-13)	7/9/2002	<1.85	<0.11	5.9	0.2150	351	<0.009	0.01	<0.19	<0.03
FSW 424-M02-13BU (72-13)	7/9/2002	<1.85	<0.11	6.5	0.2771	406	<0.009	0.11	<0.19	<0.03
FSW 424-M02-14BK (72-13)	7/9/2002	<1.85	<0.11	6.6	0.3073	433	<0.009	0.12	<0.19	<0.03
FSW 424-M02-15W (72-13)	7/9/2002	<1.85	<0.11	6.8	0.2347	399	<0.009	0.14	<0.19	<0.03
FSW 424-M01-01PT	5/29/2003	<1.85	<0.11	5.9	0.4345	641	<0.009	0.46	<0.19	<0.03
FSW 424-M01-02GNT	5/29/2003	<1.85	<0.11	6.1	0.3819	521	<0.009	0.45	<0.19	<0.03
FSW 424-M01-02GNT-D	5/29/2003	<1.85	<0.11	5.9	0.3791	515	<0.009	0.44	<0.19	<0.03
FSW 424-M01-03RT	5/29/2003	<1.85	<0.11	5.1	0.3199	566	<0.009	0.31	<0.19	<0.03
FSW 424-M01-04BUT	5/29/2003	<1.85	<0.11	4.1	0.2698	501	<0.009	0.15	<0.19	<0.03
FSW 424-M01-05BKT	5/29/2003	<1.85	<0.11	3.6	0.1548	305	<0.009	0.08	<0.19	<0.03
FSW 424-M01-06WT	5/29/2003	<1.85	<0.11	3.5	0.1122	258	<0.009	0.06	<0.19	<0.03
FSW 424-M01-07O	5/29/2003	<1.85	<0.11	3.0	0.0828	164	<0.009	0.07	<0.19	<0.03
FSW 424-M01-08GY	5/29/2003	<1.85	<0.11	2.4	0.0696	119	<0.009	0.17	<0.19	<0.03
FSW 424-M01-09Y	5/29/2003	<1.85	<0.11	1.8	0.0634	141	<0.009	0.18	<0.19	<0.03
FSW 424-M01-10P	5/29/2003	<1.85	<0.11	1.6	0.0473	94	<0.009	<0.02	<0.19	<0.03
FSW 424-M01-11GN	5/29/2003	<1.85	<0.11	1.6	0.0672	91	<0.009	<0.02	<0.19	<0.03

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
FSW 424-M01-12R	5/29/2003	<1.85	<0.11	1.6	0.0814	93	<0.009	<0.02	<0.19	<0.03
FSW 424-M01-13BU	5/29/2003	<1.85	<0.11	1.8	0.0483	84	<0.009	0.03	<0.19	<0.03
FSW 424-M01-13BU-D	5/29/2003	<1.85	<0.11	1.8	0.0487	87	<0.009	0.03	<0.19	<0.03
FSW 424-M01-14BK	5/29/2003	<1.85	<0.11	1.9	0.0511	101	<0.009	<0.02	<0.19	<0.03
FSW 424-M01-15W	5/29/2003	<1.85	<0.11	1.7	0.0402	125	<0.009	<0.02	<0.19	<0.03
FSW 424-M02-01PT (72-13)	5/29/2003	<1.85	<0.11	0.9	0.0577	67	<0.009	<0.02	<0.19	<0.03
FSW 424-M02-02GNT (72-13)	5/29/2003	<1.85	<0.11	1.2	0.3393	257	<0.009	<0.02	<0.19	<0.03
FSW 424-M02-03RT (72-13)	5/29/2003	<1.85	<0.11	1.1	0.3171	215	<0.009	<0.02	<0.19	<0.03
FSW 424-M02-04BUT (72-13)	5/29/2003	<1.85	<0.11	1.3	0.1027	92	<0.009	<0.02	<0.19	<0.03
FSW 424-M02-05BKT (72-13)	5/29/2003	<1.85	<0.11	1.8	0.0937	66	<0.009	<0.02	<0.19	<0.03
FSW 424-M02-06WT (72-13)	5/29/2003	<1.85	<0.11	4.0	0.1330	101	<0.009	<0.02	<0.19	<0.03
FSW 424-M02-06WT (72-13)-D	5/29/2003	<1.85	<0.11	4.1	0.1368	106	<0.009	<0.02	<0.19	<0.03
FSW 424-M02-07O (72-13)	5/29/2003	<1.85	<0.11	5.6	0.1623	153	<0.009	<0.02	<0.19	<0.03
FSW 424-M02-08GY (72-13)	5/29/2003	<1.85	<0.11	5.9	0.1869	222	<0.009	<0.02	<0.19	<0.03
FSW 424-M02-09Y (72-13)	5/29/2003	<1.85	<0.11	5.8	0.2040	273	<0.009	<0.02	<0.19	<0.03
FSW 424-M02-09Y (72-13)-D	5/29/2003	<1.85	<0.11	5.8	0.2016	269	<0.009	<0.02	<0.19	<0.03
FSW 424-M02-10P (72-13)	5/29/2003	<1.85	<0.11	6.1	0.2702	480	<0.009	<0.02	<0.19	<0.03
FSW 424-M02-11GN (72-13)	5/29/2003	<1.85	<0.11	6.0	0.3502	629	<0.009	<0.02	<0.19	<0.03
FSW 424-M02-12R (72-13)	5/29/2003	<1.85	<0.11	6.2	0.3838	793	<0.009	<0.02	<0.19	<0.03
FSW 424-M02-13BU (72-13)	5/29/2003	<1.85	<0.11	6.0	0.4392	768	<0.009	0.16	<0.19	<0.03
FSW 424-M02-14BK (72-13)	5/29/2003	<1.85	<0.11	6.0	0.3625	617	<0.009	0.13	<0.19	<0.03
FSW 424-M02-15W (72-13)	5/29/2003	<1.85	<0.11	6.2	0.3001	580	<0.009	0.20	<0.19	<0.03
FSW 424-M01-01PT	7/29/2004	<1.85	<0.11	6.7	1.2110	256	<0.009	0.32	<0.19	0.08
FSW 424-M01-02GNT	7/29/2004	<1.85	<0.11	4.2	0.2850	265	<0.009	0.32	<0.19	<0.03

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
FSW 424-M01-03RT	7/29/2004	<1.85	<0.11	3.4	0.2471	240	<0.009	0.19	<0.19	<0.03
FSW 424-M01-04BUT	7/29/2004	<1.85	<0.11	2.5	0.2383	217	<0.009	0.10	<0.19	<0.03
FSW 424-M01-05BKT	7/29/2004	<1.85	<0.11	2.7	0.1750	137	<0.009	0.05	<0.19	<0.03
FSW 424-M01-06WT	7/29/2004	<1.85	<0.11	2.5	0.1457	136	<0.009	0.04	<0.19	<0.03
FSW 424-M01-07O	7/29/2004	<1.85	<0.11	2.3	0.1543	114	<0.009	0.06	<0.19	<0.03
FSW 424-M01-08GY	7/29/2004	<1.85	<0.11	3.6	1.3040	99	<0.009	0.17	<0.19	<0.03
FSW 424-M01-09Y	7/29/2004	<1.85	<0.11	2.3	0.4766	75	<0.009	0.06	<0.19	<0.03
FSW 424-M01-09Y-D	7/29/2004	<1.85	<0.11	2.7	1.2273	75	<0.009	0.06	<0.19	<0.03
FSW 424-M01-10P	7/29/2004	<1.85	<0.11	3.0	1.5458	76	<0.009	<0.02	<0.19	<0.03
FSW 424-M01-11GN	7/29/2004	<1.85	<0.11	2.5	0.6014	78	<0.009	<0.02	<0.19	<0.03
FSW 424-M01-12R	7/29/2004	<1.85	<0.11	2.3	0.5868	86	<0.009	<0.02	<0.19	<0.03
FSW 424-M01-13BU	7/29/2004	<1.85	<0.11	3.2	1.4139	74	<0.009	<0.02	<0.19	<0.03
FSW 424-M01-14BK	7/29/2004	<1.85	<0.11	2.8	0.9424	74	<0.009	<0.02	<0.19	<0.03
FSW 424-M01-15W	7/29/2004	<1.85	<0.11	1.9	0.2083	90	<0.009	<0.02	<0.19	<0.03
FSW 424-M01-15W-D	7/29/2004	<1.85	<0.11	2.3	0.5574	93	<0.009	<0.02	<0.19	<0.03
FSW 424-M02-01PT (72-13)	7/29/2004	<1.85	<0.11	2.2	0.8972	157	<0.009	<0.02	<0.19	<0.03
FSW 424-M02-02GNT (72-13)	7/29/2004	<1.85	<0.11	1.3	0.7031	159	<0.009	<0.02	<0.19	<0.03
FSW 424-M02-03RT (72-13)	7/29/2004	<1.85	<0.11	1.5	0.7482	121	<0.009	<0.02	<0.19	<0.03
FSW 424-M02-04BUT (72-13)	7/29/2004	<1.85	<0.11	1.0	0.2743	93	<0.009	<0.02	<0.19	<0.03
FSW 424-M02-05BKT (72-13)	7/29/2004	<1.85	<0.11	1.2	0.4117	61	<0.009	<0.02	<0.19	<0.03
FSW 424-M02-06WT (72-13)	7/29/2004	<1.85	<0.11	2.1	0.2342	62	<0.009	<0.02	<0.19	<0.03
FSW 424-M02-07O (72-13)	7/29/2004	<1.85	<0.11	3.8	0.2287	97	<0.009	<0.02	<0.19	<0.03
FSW 424-M02-08GY (72-13)	7/29/2004	<1.85	<0.11	5.2	1.3084	134	<0.009	<0.02	<0.19	0.04
FSW 424-M02-09Y (72-13)	7/29/2004	<1.85	<0.11	5.4	0.6637	191	<0.009	<0.02	<0.19	0.03
FSW 424-M02-10P (72-13)	7/29/2004	<1.85	<0.11	4.8	0.2778	286	<0.009	<0.02	<0.19	<0.03

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
FSW 424-M02-10P (72-13)-D	7/29/2004	<1.85	<0.11	5.3	0.3678	272	<0.009	<0.02	<0.19	0.04
FSW 424-M02-11GN (72-13)	7/29/2004	<1.85	<0.11	6.3	1.1458	343	<0.009	<0.02	<0.19	0.09
FSW 424-M02-12R (72-13)	7/29/2004	<1.85	<0.11	5.4	0.5650	436	<0.009	<0.02	<0.19	0.03
FSW 424-M02-14BK (72-13)	7/29/2004	<1.85	<0.11	6.4	0.9585	363	<0.009	0.15	<0.19	0.04
FSW 424-M02-15W (72-13)	7/29/2004	<1.85	<0.11	4.9	0.2399	303	<0.009	0.19	<0.19	<0.03
FSW 566-M01-01PT	12/8/1994	<1.85	--	38.5	--	246	--	--	<0.19	0.15
FSW 566-M01-02GNT	12/8/1994	<1.85	--	34.2	--	246	--	--	<0.19	<0.10
FSW 566-M01-04BUT	12/9/1994	<1.85	--	23.9	--	187	--	--	<0.19	<0.10
FSW 566-M01-05BKT	12/9/1994	<1.85	--	18.3	--	181	--	--	<0.19	<0.10
FSW 566-M01-06WT	12/9/1994	<1.85	--	11.2	--	141	--	--	<0.19	<0.10
FSW 566-M01-07O	12/9/1994	<1.85	--	9.7	--	69	--	--	<0.19	<0.10
FSW 566-M01-08GY	12/9/1994	<1.85	--	6.5	--	46	--	--	<0.19	<0.10
FSW 566-M01-09Y	12/9/1994	<1.85	--	4.9	--	55	--	--	<0.19	<0.10
FSW 566-M01-10P	12/9/1994	<1.85	--	3.1	--	128	--	--	<0.19	<0.10
FSW 566-M01-11GN	12/9/1994	<1.85	--	2.7	--	114	--	--	<0.19	<0.10
FSW 566-M01-12R	12/9/1994	<1.85	--	1.7	--	74	--	--	<0.19	<0.10
FSW 566-M01-13BU	12/9/1994	<1.85	--	1.3	--	89	--	--	<0.19	<0.10
FSW 566-M01-14BK	12/9/1994	<1.85	--	1.4	--	104	--	--	<0.19	<0.10
FSW 566-M01-15W	12/9/1994	<1.85	--	1.9	--	114	--	--	<0.19	<0.10
FSW 566-M02-01PT (65-12)	12/8/1994	<1.85	--	1.0	--	43	--	--	<0.19	0.10
FSW 566-M02-02GNT (65-12)	12/8/1994	<1.85	--	1.3	--	49	--	--	<0.19	<0.10
FSW 566-M02-03RT (65-12)	12/8/1994	<1.85	--	5.1	--	68	--	--	<0.19	<0.10
FSW 566-M02-04BUT (65-12)	12/9/1994	<1.85	--	12.5	--	132	--	--	<0.19	<0.10
FSW 566-M02-05BKT (65-12)	12/9/1994	<1.85	--	22.8	--	491	--	--	<0.19	0.30

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
FSW 566-M02-06WT (65-12)	12/9/1994	<1.85	--	27.8	--	406	--	--	<0.19	<0.10
FSW 566-M02-07O (65-12)	12/9/1994	<1.85	--	32.8	--	450	--	--	<0.19	<0.10
FSW 566-M02-08GY (65-12)	12/9/1994	<1.85	--	34.7	--	459	--	--	<0.19	<0.10
FSW 566-M02-09Y (65-12)	12/9/1994	<1.85	--	35.4	--	455	--	--	<0.19	<0.10
FSW 566-M02-10P (65-12)	12/9/1994	<1.85	--	36.2	--	447	--	--	<0.19	<0.10
FSW 566-M02-11GN (65-12)	12/9/1994	<1.85	--	35.8	--	460	--	--	<0.19	<0.10
FSW 566-M02-11GN (65-12)-D	12/9/1994	<1.85	--	36.0	--	500	--	--	<0.19	<0.10
FSW 566-M02-12R (65-12)	12/9/1994	<1.85	--	36.1	--	432	--	--	<0.19	<0.10
FSW 566-M02-13BU (65-12)	12/9/1994	<1.85	--	40.0	--	276	--	--	<0.19	<0.10
FSW 566-M02-14BK (65-12)	12/9/1994	<1.85	--	42.7	--	232	--	--	<0.19	<0.10
FSW 566-M02-15W (65-12)	12/9/1994	<1.85	--	43.5	--	279	--	--	<0.19	<0.10
FSW 566-M01-01PT	7/11/1996	<1.85	--	40.7	--	325	--	--	<0.19	<0.10
FSW 566-M01-02GNT	7/11/1996	<1.85	--	35.2	--	248	--	--	<0.19	<0.10
FSW 566-M01-04BUT	7/11/1996	<1.85	--	31.0	--	235	--	--	<0.19	<0.10
FSW 566-M01-05BKT	7/11/1996	<1.85	--	29.1	--	170	--	--	<0.19	<0.10
FSW 566-M01-06WT	7/11/1996	<1.85	--	18.1	--	192	--	--	<0.19	<0.10
FSW 566-M01-07O	7/11/1996	<1.85	--	9.7	--	147	--	--	<0.19	<0.10
FSW 566-M01-08GY	7/11/1996	<1.85	--	5.6	--	118	--	--	<0.19	<0.10
FSW 566-M01-08GY-D	7/11/1996	<1.85	--	5.5	--	116	--	--	<0.19	<0.10
FSW 566-M01-09Y	7/11/1996	<1.85	--	5.6	--	120	--	--	<0.19	<0.10
FSW 566-M01-10P	7/11/1996	<1.85	--	4.1	--	160	--	--	<0.19	<0.10
FSW 566-M01-11GN	7/11/1996	<1.85	--	2.1	--	150	--	--	<0.19	<0.10
FSW 566-M01-12R	7/11/1996	<1.85	--	1.8	--	120	--	--	<0.19	<0.10
FSW 566-M01-13BU	7/11/1996	<1.85	--	1.6	--	87	--	--	<0.19	<0.10
FSW 566-M01-14BK	7/11/1996	4.32	--	3.3	--	249	--	--	<0.19	0.18

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
FSW 566-M01-15W	7/11/1996	<1.85	--	1.8	--	153	--	--	<0.19	<0.10
FSW 566-M02-01PT (65-12)	7/11/1996	<1.85	--	1.8	--	29	--	--	<0.19	<0.10
FSW 566-M02-02GNT (65-12)	7/11/1996	<1.85	--	1.2	--	27	--	--	<0.19	<0.10
FSW 566-M02-02GNT (65-12)-D	7/11/1996	<1.85	--	1.3	--	27	--	--	<0.19	<0.10
FSW 566-M02-03RT (65-12)	7/11/1996	<1.85	--	1.5	--	28	--	--	<0.19	<0.10
FSW 566-M02-04BUT (65-12)	7/11/1996	<1.85	--	2.7	--	57	--	--	<0.19	<0.10
FSW 566-M02-05BKT (65-12)	7/11/1996	<1.85	--	4.5	--	104	--	--	<0.19	<0.10
FSW 566-M02-06WT (65-12)	7/11/1996	<1.85	--	8.4	--	180	--	--	<0.19	<0.10
FSW 566-M02-07O (65-12)	7/11/1996	<1.85	--	36.9	--	497	--	--	<0.19	<0.10
FSW 566-M02-08GY (65-12)	7/11/1996	<1.85	--	19.7	--	285	--	--	<0.19	<0.10
FSW 566-M02-09Y (65-12)	7/11/1996	<1.85	--	28.3	--	332	--	--	<0.19	<0.10
FSW 566-M02-10P (65-12)	7/11/1996	<1.85	--	34.8	--	439	--	--	<0.19	<0.10
FSW 566-M02-11GN (65-12)	7/11/1996	<1.85	--	37.2	--	499	--	--	<0.19	<0.10
FSW 566-M02-11GN (65-12)-D	7/11/1996	<1.85	--	38.7	--	522	--	--	<0.19	<0.10
FSW 566-M02-12R (65-12)	7/11/1996	<1.85	--	39.4	--	536	--	--	<0.19	<0.10
FSW 566-M02-13BU (65-12)	7/11/1996	<1.85	--	35.7	--	412	--	--	<0.19	<0.10
FSW 566-M02-14BK (65-12)	7/11/1996	<1.85	--	35.4	--	397	--	--	<0.19	<0.10
FSW 566-M02-15W (65-12)	7/11/1996	2.18	--	40.4	--	384	--	--	<0.19	<0.10
FSW 566-M01-01PT	6/5/1997	<1.85	--	33.6	--	217	--	--	<0.19	0.12
FSW 566-M01-01PT-D	6/5/1997	<1.85	--	32.8	--	219	--	--	<0.19	<0.10
FSW 566-M01-02GNT	6/5/1997	<1.85	--	37.5	--	271	--	--	<0.19	<0.10
FSW 566-M01-04BUT	6/5/1997	<1.85	--	28.9	--	331	--	--	<0.19	<0.10
FSW 566-M01-05BKT	6/5/1997	<1.85	--	26.6	--	285	--	--	<0.19	<0.10
FSW 566-M01-06WT	6/5/1997	<1.85	--	22.2	--	395	--	--	<0.19	<0.10

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
FSW 566-M01-07O	6/5/1997	<1.85	--	19.9	--	225	--	--	<0.19	<0.10
FSW 566-M01-08GY	6/5/1997	<1.85	--	15.9	--	126	--	--	<0.19	<0.10
FSW 566-M01-09Y	6/5/1997	<1.85	--	18.5	--	174	--	--	<0.19	<0.10
FSW 566-M01-10P	6/5/1997	<1.85	--	5.4	--	146	--	--	<0.19	<0.10
FSW 566-M01-10P-D	6/5/1997	<1.85	--	4.7	--	142	--	--	<0.19	<0.10
FSW 566-M01-11GN	6/5/1997	<1.85	--	2.3	--	119	--	--	<0.19	<0.10
FSW 566-M01-12R	6/5/1997	<1.85	--	1.6	--	83	--	--	<0.19	<0.10
FSW 566-M01-13BU	6/5/1997	<1.85	--	0.7	--	75	--	--	<0.19	<0.10
FSW 566-M01-14BK	6/5/1997	<1.85	--	1.0	--	114	--	--	<0.19	<0.10
FSW 566-M01-15W	6/5/1997	<1.85	--	1.1	--	151	--	--	<0.19	<0.10
FSW 566-M02-01PT (65-12)	6/6/1997	<1.85	--	0.7	--	25	--	--	<0.19	<0.10
FSW 566-M02-02GNT (65-12)	6/6/1997	<1.85	--	0.3	--	33	--	--	<0.19	<0.10
FSW 566-M02-03RT (65-12)	6/6/1997	<1.85	--	0.5	--	32	--	--	<0.19	<0.10
FSW 566-M02-04BUT (65-12)	6/6/1997	<1.85	--	2.0	--	63	--	--	<0.19	<0.10
FSW 566-M02-04BUT (65-12)-D	6/6/1997	<1.85	--	2.6	--	65	--	--	<0.19	<0.10
FSW 566-M02-05BKT (65-12)	6/6/1997	<1.85	--	7.0	--	120	--	--	<0.19	<0.10
FSW 566-M02-06WT (65-12)	6/6/1997	<1.85	--	13.9	--	258	--	--	<0.19	<0.10
FSW 566-M02-07O (65-12)	6/6/1997	<1.85	--	22.3	--	354	--	--	<0.19	<0.10
FSW 566-M02-08GY (65-12)	6/6/1997	<1.85	--	28.4	--	438	--	--	<0.19	<0.10
FSW 566-M02-09Y (65-12)	6/6/1997	<1.85	--	31.4	--	461	--	--	<0.19	<0.10
FSW 566-M02-10P (65-12)	6/6/1997	<1.85	--	31.1	--	476	--	--	<0.19	<0.10
FSW 566-M02-11GN (65-12)	6/6/1997	<1.85	--	30.8	--	499	--	--	<0.19	<0.10
FSW 566-M02-12R (65-12)	6/6/1997	<1.85	--	32.2	--	512	--	--	<0.19	<0.10
FSW 566-M02-13BU (65-12)	6/6/1997	<1.85	--	32.2	--	476	--	--	<0.19	<0.10
FSW 566-M02-13BU (65-12)-D	6/6/1997	<1.85	--	32.4	--	481	--	--	<0.19	<0.10

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
FSW 566-M02-14BK (65-12)	6/6/1997	<1.85	--	34.2	--	469	--	--	<0.19	<0.10
FSW 566-M02-15W (65-12)	6/6/1997	<1.85	--	35.1	--	398	--	--	<0.19	<0.10
FSW 566-M01-01PT	5/13/1998	<1.85	<0.67	32.1	--	198	<0.04	--	<0.19	<0.10
FSW 566-M01-02GNT	5/13/1998	<1.85	<0.67	34.7	--	273	<0.04	--	<0.19	<0.10
FSW 566-M01-03RT	5/13/1998	<1.85	<0.67	33.2	--	334	<0.04	--	<0.19	<0.10
FSW 566-M01-04BUT	5/13/1998	<1.85	<0.67	33.2	--	315	<0.04	--	<0.19	<0.10
FSW 566-M01-05BKT	5/13/1998	<1.85	<0.67	29.7	--	280	<0.04	--	<0.19	<0.10
FSW 566-M01-06WT	5/13/1998	<1.85	<0.67	27.1	--	295	<0.04	--	<0.19	<0.10
FSW 566-M01-06WT-D	5/13/1998	<1.85	<0.67	29.2	--	315	<0.04	--	<0.19	<0.10
FSW 566-M01-07O	5/13/1998	<1.85	<0.67	26.1	--	237	<0.04	--	<0.19	<0.10
FSW 566-M01-08GY	5/13/1998	<1.85	<0.67	25.9	--	251	<0.04	--	<0.19	<0.10
FSW 566-M01-09Y	5/13/1998	<1.85	<0.67	23.4	--	152	<0.04	--	<0.19	<0.10
FSW 566-M01-10P	5/13/1998	<1.85	<0.67	10.3	--	57	<0.04	--	<0.19	<0.10
FSW 566-M01-11GN	5/13/1998	<1.85	<0.67	2.5	--	47	<0.04	--	<0.19	<0.10
FSW 566-M01-12R	5/13/1998	<1.85	<0.67	0.9	--	81	<0.04	--	<0.19	<0.10
FSW 566-M01-13BU	5/13/1998	<1.85	<0.67	0.4	--	82	<0.04	--	<0.19	<0.10
FSW 566-M01-14BK	5/13/1998	<1.85	<0.67	0.5	--	124	<0.04	--	<0.19	<0.10
FSW 566-M01-15W	5/13/1998	<1.85	<0.67	0.7	--	147	<0.04	--	<0.19	<0.10
FSW 566-M01-15W-D	5/13/1998	<1.85	<0.67	1.0	--	149	<0.04	--	<0.19	<0.10
FSW 566-M02-01PT (65-12)	5/13/1998	<1.85	<0.67	<0.30	--	26	<0.04	--	<0.19	<0.10
FSW 566-M02-02GNT (65-12)	5/13/1998	<1.85	<0.67	<0.30	--	42	<0.04	--	<0.19	<0.10
FSW 566-M02-03RT (65-12)	5/13/1998	<1.85	<0.67	<0.30	--	51	<0.04	--	<0.19	<0.10
FSW 566-M02-04BUT (65-12)	5/13/1998	<1.85	<0.67	1.2	--	48	<0.04	--	<0.19	<0.10
FSW 566-M02-05BKT (65-12)	5/13/1998	<1.85	<0.67	4.4	--	69	<0.04	--	<0.19	<0.10

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
FSW 566-M02-06WT (65-12)	5/13/1998	<1.85	<0.67	12.6	--	147	<0.04	--	<0.19	<0.10
FSW 566-M02-07O (65-12)	5/13/1998	<1.85	<0.67	17.2	--	224	<0.04	--	<0.19	<0.10
FSW 566-M02-08GY (65-12)	5/13/1998	<1.85	<0.67	23.4	--	344	<0.04	--	<0.19	<0.10
FSW 566-M02-09Y (65-12)	5/13/1998	<1.85	<0.67	26.1	--	405	<0.04	--	<0.19	<0.10
FSW 566-M02-09Y (65-12)-D	5/13/1998	<1.85	<0.67	29.0	--	438	<0.04	--	<0.19	<0.10
FSW 566-M02-10P (65-12)	5/13/1998	<1.85	<0.67	28.8	--	425	<0.04	--	<0.19	<0.10
FSW 566-M02-11GN (65-12)	5/13/1998	<1.85	<0.67	30.5	--	424	<0.04	--	<0.19	<0.10
FSW 566-M02-12R (65-12)	5/13/1998	<1.85	<0.67	31.1	--	407	<0.04	--	<0.19	<0.10
FSW 566-M02-13BU (65-12)	5/13/1998	<1.85	<0.67	30.6	--	373	<0.04	--	<0.19	<0.10
FSW 566-M02-14BK (65-12)	5/13/1998	<1.85	<0.67	33.0	--	381	<0.04	--	<0.19	<0.10
FSW 566-M02-15W (65-12)	5/13/1998	<1.85	<0.67	34.0	--	376	<0.04	--	<0.19	<0.10
FSW 566-M01-01PT	6/10/1999	<1.85	<0.67	31.8	--	66	<0.04	--	<0.19	<0.10
FSW 566-M01-02GNT	6/10/1999	<1.85	<0.67	26.5	--	54	<0.04	--	<0.19	<0.10
FSW 566-M01-03RT	6/10/1999	<1.85	<0.67	17.9	--	103	<0.04	--	<0.19	<0.10
FSW 566-M01-04BUT	6/10/1999	<1.85	<0.67	13.6	--	91	<0.04	--	<0.19	<0.10
FSW 566-M01-04BUT-D	6/10/1999	<1.85	<0.67	12.6	--	89	<0.04	--	<0.19	<0.10
FSW 566-M01-05BKT	6/10/1999	<1.85	<0.67	13.1	--	79	<0.04	--	<0.19	<0.10
FSW 566-M01-06WT	6/10/1999	<1.85	<0.67	9.0	--	51	<0.04	--	<0.19	<0.10
FSW 566-M01-07O	6/10/1999	<1.85	<0.67	7.3	--	28	<0.04	--	<0.19	<0.10
FSW 566-M01-08GY	6/10/1999	<1.85	<0.67	6.0	--	28	<0.04	--	<0.19	<0.10
FSW 566-M01-09Y	6/10/1999	<1.85	<0.67	3.9	--	25	<0.04	--	<0.19	<0.10
FSW 566-M01-10P	6/10/1999	<1.85	<0.67	1.9	--	50	<0.04	--	<0.19	<0.10
FSW 566-M01-10P-D	6/10/1999	<1.85	<0.67	1.7	--	49	<0.04	--	<0.19	<0.10
FSW 566-M01-11GN	6/10/1999	<1.85	<0.67	2.2	--	78	<0.04	--	<0.19	<0.10
FSW 566-M01-12R	6/10/1999	<1.85	<0.67	1.5	--	87	<0.04	--	<0.19	<0.10

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
FSW 566-M01-13BU	6/10/1999	<1.85	<0.67	1.2	--	79	<0.04	--	<0.19	<0.10
FSW 566-M01-14BK	6/10/1999	<1.85	<0.67	1.6	--	100	<0.04	--	<0.19	<0.10
FSW 566-M01-15W	6/10/1999	<1.85	<0.67	1.4	--	129	<0.04	--	<0.19	<0.10
FSW 566-M02-01PT (65-12)	6/10/1999	<1.85	<0.67	0.5	--	33	0.05	--	<0.19	0.10
FSW 566-M02-02GNT (65-12)	6/10/1999	<1.85	<0.67	1.0	--	60	<0.04	--	<0.19	<0.10
FSW 566-M02-03RT (65-12)	6/10/1999	<1.85	<0.67	1.9	--	53	<0.04	--	<0.19	<0.10
FSW 566-M02-04BUT (65-12)	6/10/1999	<1.85	<0.67	3.6	--	65	<0.04	--	<0.19	<0.10
FSW 566-M02-05BKT (65-12)	6/10/1999	<1.85	<0.67	7.7	--	101	<0.04	--	<0.19	<0.10
FSW 566-M02-06WT (65-12)	6/10/1999	<1.85	<0.67	11.4	--	134	<0.04	--	<0.19	<0.10
FSW 566-M02-07O (65-12)	6/10/1999	<1.85	<0.67	15.0	--	173	<0.04	--	<0.19	<0.10
FSW 566-M02-08GY (65-12)	6/10/1999	<1.85	<0.67	16.3	--	170	<0.04	--	<0.19	<0.10
FSW 566-M02-09Y (65-12)	6/10/1999	<1.85	<0.67	16.7	--	146	<0.04	--	<0.19	<0.10
FSW 566-M02-10P (65-12)	6/10/1999	<1.85	<0.67	16.0	--	136	<0.04	--	<0.19	<0.10
FSW 566-M02-11GN (65-12)	6/10/1999	<1.85	<0.67	15.1	--	134	<0.04	--	<0.19	<0.10
FSW 566-M02-11GN (65-12)-D	6/10/1999	<1.85	<0.67	16.1	--	147	<0.04	--	<0.19	<0.10
FSW 566-M02-12R (65-12)	6/10/1999	<1.85	<0.67	17.4	--	150	<0.04	--	<0.19	<0.10
FSW 566-M02-13BU (65-12)	6/10/1999	<1.85	<0.67	21.1	--	158	<0.04	--	<0.19	<0.10
FSW 566-M02-14BK (65-12)	6/10/1999	<1.85	<0.67	21.4	--	142	<0.04	--	<0.19	<0.10
FSW 566-M02-15W (65-12)	6/10/1999	<1.85	<0.67	25.5	--	154	<0.04	--	<0.19	<0.10
FSW 566-M01-01PT	6/1/2000	<1.85	<0.11	12.8	0.0749	74	<0.009	<0.02	<0.19	<0.03
FSW 566-M01-02GNT	6/1/2000	<1.85	<0.11	12.8	0.0901	162	<0.009	<0.02	<0.19	<0.03
FSW 566-M01-03RT	6/1/2000	--	--	--	--	--	--	--	--	
FSW 566-M01-04BUT	6/1/2000	<1.85	0.15	5.4	0.0635	110	<0.009	<0.02	<0.19	<0.03
FSW 566-M01-05BKT	6/1/2000	<1.85	0.13	5.3	0.0435	79	<0.009	<0.02	<0.19	<0.03

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
FSW 566-M01-06WT	6/1/2000	<1.85	<0.11	4.0	0.0245	49	<0.009	<0.02	<0.19	<0.03
FSW 566-M01-06WT-D	6/1/2000	<1.85	<0.11	3.7	0.0249	46	<0.009	<0.02	<0.19	<0.03
FSW 566-M01-07O	6/1/2000	<1.85	<0.11	3.0	0.0194	32	<0.009	<0.02	<0.19	<0.03
FSW 566-M01-08GY	6/1/2000	<1.85	<0.11	3.0	0.0272	42	<0.009	<0.02	<0.19	<0.03
FSW 566-M01-09Y	6/1/2000	<1.85	<0.11	2.5	0.0399	57	<0.009	<0.02	<0.19	<0.03
FSW 566-M01-10P	6/1/2000	<1.85	<0.11	2.2	0.0600	96	<0.009	<0.02	<0.19	<0.03
FSW 566-M01-11GN	6/1/2000	<1.85	<0.11	2.4	0.0662	131	<0.009	<0.02	<0.19	<0.03
FSW 566-M01-12R	6/1/2000	<1.85	<0.11	1.8	0.0501	109	<0.009	<0.02	<0.19	<0.03
FSW 566-M01-13BU	6/1/2000	<1.85	<0.11	1.6	0.0568	115	<0.009	<0.02	<0.19	<0.03
FSW 566-M01-14BK	6/1/2000	<1.85	<0.11	1.4	0.0519	134	<0.009	<0.02	<0.19	<0.03
FSW 566-M01-15W	6/1/2000	<1.85	<0.11	1.5	0.0518	150	<0.009	<0.02	<0.19	<0.03
FSW 566-M02-01PT (65-12)	6/1/2000	<1.85	<0.11	<0.46	0.0280	28	<0.009	<0.02	<0.19	<0.03
FSW 566-M02-02GNT (65-12)	6/1/2000	<1.85	<0.11	<0.46	0.0448	34	<0.009	<0.02	<0.19	<0.03
FSW 566-M02-03RT (65-12)	6/1/2000	<1.85	<0.11	0.8	0.0862	42	<0.009	<0.02	<0.19	<0.03
FSW 566-M02-04BUT (65-12)	6/1/2000	<1.85	<0.11	1.8	0.0685	66	<0.009	<0.02	<0.19	<0.03
FSW 566-M02-05BKT (65-12)	6/1/2000	<1.85	<0.11	3.7	0.1130	118	<0.009	<0.02	<0.19	<0.03
FSW 566-M02-06WT (65-12)	6/1/2000	--	--	--	--	--	--	--	--	--
FSW 566-M02-07O (65-12)	6/1/2000	<1.85	<0.11	11.2	0.2238	202	<0.009	<0.02	<0.19	0.09
FSW 566-M02-08GY (65-12)	6/1/2000	<1.85	<0.11	11.4	0.2827	218	<0.009	<0.02	<0.19	0.09
FSW 566-M02-09Y (65-12)	6/1/2000	<1.85	<0.11	9.2	0.2292	185	<0.009	<0.02	<0.19	0.07
FSW 566-M02-10P (65-12)	6/1/2000	<1.85	<0.11	8.3	0.1714	173	<0.009	<0.02	<0.19	0.06
FSW 566-M02-10P (65-12)-D	6/1/2000	<1.85	<0.11	8.6	0.1777	181	<0.009	<0.02	<0.19	0.05
FSW 566-M02-11GN (65-12)	6/1/2000	<1.85	<0.11	8.3	0.1633	178	<0.009	<0.02	<0.19	0.06
FSW 566-M02-12R (65-12)	6/1/2000	<1.85	<0.11	9.3	0.1228	152	<0.009	<0.02	<0.19	0.06
FSW 566-M02-12R (65-12)-D	6/1/2000	<1.85	<0.11	9.8	0.1308	161	<0.009	<0.02	<0.19	0.06

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
FSW 566-M02-13BU (65-12)	6/1/2000	<1.85	<0.11	9.6	0.0932	104	<0.009	<0.02	<0.19	0.05
FSW 566-M02-14BK (65-12)	6/1/2000	<1.85	<0.11	10.6	0.0762	88	<0.009	<0.02	<0.19	0.06
FSW 566-M02-15W (65-12)	6/1/2000	<1.85	<0.11	14.6	0.0826	106	<0.009	<0.02	<0.19	0.07
FSW 566-M01-01PT	7/15/2002	<1.85	<0.11	5.8	0.2721	218	<0.009	0.24	<0.19	<0.03
FSW 566-M01-02GNT	7/15/2002	<1.85	<0.11	5.0	0.1525	214	<0.009	0.18	<0.19	<0.03
FSW 566-M01-03RT	7/15/2002	<1.85	<0.11	3.5	0.0647	173	<0.009	0.08	<0.19	<0.03
FSW 566-M01-04BUT	7/15/2002	<1.85	0.11	2.4	0.0593	94	<0.009	0.28	<0.19	<0.03
FSW 566-M01-04BUT-D	7/15/2002	<1.85	0.13	2.4	0.0607	94	<0.009	0.28	<0.19	<0.03
FSW 566-M01-05BKT	7/15/2002	<1.85	<0.11	2.1	0.0481	76	<0.009	0.23	<0.19	<0.03
FSW 566-M01-06WT	7/15/2002	<1.85	<0.11	2.1	0.0418	98	<0.009	0.05	<0.19	<0.03
FSW 566-M01-07O	7/15/2002	<1.85	<0.11	1.8	0.0660	75	<0.009	0.04	<0.19	<0.03
FSW 566-M01-08GY	7/15/2002	<1.85	<0.11	1.6	0.0483	78	<0.009	0.04	<0.19	<0.03
FSW 566-M01-09Y	7/15/2002	<1.85	<0.11	1.6	0.0499	76	<0.009	0.03	<0.19	<0.03
FSW 566-M01-10P	7/15/2002	<1.85	<0.11	1.6	0.0451	86	<0.009	<0.02	<0.19	<0.03
FSW 566-M01-11GN	7/15/2002	<1.85	<0.11	1.9	0.0477	98	<0.009	<0.02	<0.19	<0.03
FSW 566-M01-12R	7/15/2002	<1.85	<0.11	2.0	0.0429	93	<0.009	<0.02	<0.19	<0.03
FSW 566-M01-13BU	7/15/2002	<1.85	<0.11	1.6	0.0403	78	<0.009	<0.02	<0.19	<0.03
FSW 566-M01-14BK	7/15/2002	<1.85	<0.11	1.5	0.0397	100	<0.009	<0.02	<0.19	<0.03
FSW 566-M01-15W	7/15/2002	<1.85	<0.11	1.5	0.0395	99	<0.009	<0.02	<0.19	<0.03
FSW 566-M02-01PT (65-12)	7/15/2002	<1.85	<0.11	<0.46	0.0172	16	<0.009	<0.02	<0.19	<0.03
FSW 566-M02-02GNT (65-12)	7/15/2002	<1.85	<0.11	<0.46	0.0257	18	<0.009	<0.02	<0.19	<0.03
FSW 566-M02-03RT (65-12)	7/15/2002	<1.85	<0.11	<0.46	0.0664	35	<0.009	<0.02	<0.19	<0.03
FSW 566-M02-04BUT (65-12)	7/15/2002	<1.85	<0.11	1.5	0.0798	75	<0.009	<0.02	<0.19	<0.03
FSW 566-M02-05BKT (65-12)	7/15/2002	<1.85	<0.11	2.2	0.1309	117	<0.009	<0.02	<0.19	0.03

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
FSW 566-M02-05BKT (65-12)-D	7/15/2002	<1.85	<0.11	2.1	0.1300	114	<0.009	<0.02	<0.19	<0.03
FSW 566-M02-06WT (65-12)	7/15/2002	<1.85	0.12	3.3	0.1605	160	<0.009	<0.02	<0.19	0.05
FSW 566-M02-07O (65-12)	7/15/2002	<1.85	<0.11	4.6	0.2250	233	<0.009	0.02	<0.19	0.06
FSW 566-M02-08GY (65-12)	7/15/2002	<1.85	<0.11	5.1	0.3654	316	<0.009	0.07	<0.19	0.05
FSW 566-M02-09Y (65-12)	7/15/2002	<1.85	<0.11	5.4	0.4593	419	<0.009	0.19	<0.19	0.04
FSW 566-M02-10P (65-12)	7/15/2002	<1.85	<0.11	5.2	0.3638	495	<0.009	0.29	<0.19	<0.03
FSW 566-M02-11GN (65-12)	7/15/2002	<1.85	<0.11	4.7	0.3059	474	<0.009	0.38	<0.19	<0.03
FSW 566-M02-12R (65-12)	7/15/2002	<1.85	<0.11	4.3	0.3204	453	<0.009	0.58	<0.19	<0.03
FSW 566-M02-13BU (65-12)	7/15/2002	<1.85	<0.11	4.6	0.3210	556	<0.009	0.27	<0.19	<0.03
FSW 566-M02-14BK (65-12)	7/15/2002	2.56	<0.11	5.0	0.3027	624	<0.009	0.24	<0.19	<0.03
FSW 566-M02-15W (65-12)	7/15/2002	<1.85	<0.11	4.7	0.3024	501	<0.009	0.34	<0.19	<0.03
FSW 566-M01-01PT	8/17/2004	<1.85	<0.11	4.9	0.4032	299	<0.009	0.20	<0.19	<0.03
FSW 566-M01-02GNT	8/17/2004	<1.85	<0.11	5.0	0.4583	338	<0.009	0.25	<0.19	<0.03
FSW 566-M01-03RT	8/17/2004	<1.85	<0.11	4.9	0.2993	179	<0.009	0.30	<0.19	<0.03
FSW 566-M01-04BUT	8/17/2004	<1.85	<0.11	4.5	0.2028	105	<0.009	0.20	<0.19	<0.03
FSW 566-M01-04BUT-D	8/17/2004	<1.85	<0.11	5.1	0.7415	104	<0.009	0.20	<0.19	<0.03
FSW 566-M01-05BKT	8/17/2004	<1.85	<0.11	3.9	0.2516	92	<0.009	0.24	<0.19	<0.03
FSW 566-M01-06WT	8/17/2004	<1.85	<0.11	2.8	0.1421	54	<0.009	0.05	<0.19	<0.03
FSW 566-M01-07O	8/17/2004	<1.85	<0.11	1.9	0.0489	56	<0.009	0.03	<0.19	<0.03
FSW 566-M01-08GY	8/17/2004	<1.85	<0.11	2.5	0.7643	71	<0.009	<0.02	<0.19	<0.03
FSW 566-M01-09Y	8/17/2004	<1.85	<0.11	2.3	0.7219	95	<0.009	<0.02	<0.19	<0.03
FSW 566-M01-10P	8/17/2004	<1.85	<0.11	3.3	1.5474	138	<0.009	<0.02	<0.19	<0.03
FSW 566-M01-11GN	8/17/2004	<1.85	<0.11	3.7	1.2722	129	<0.009	<0.02	<0.19	<0.03
FSW 566-M01-11GN-D	8/17/2004	<1.85	<0.11	2.2	0.5751	86	<0.009	<0.02	<0.19	<0.03
FSW 566-M01-12R	8/17/2004	<1.85	<0.11	1.8	0.0516	124	<0.009	<0.02	<0.19	<0.03

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
FSW 566-M01-13BU	8/17/2004	<1.85	<0.11	2.6	1.0548	70	<0.009	<0.02	<0.19	<0.03
FSW 566-M01-14BK	8/17/2004	<1.85	<0.11	1.8	0.2878	79	<0.009	<0.02	<0.19	<0.03
FSW 566-M01-15W	8/17/2004	<1.85	<0.11	1.9	0.2565	84	<0.009	<0.02	<0.19	<0.03
FSW 566-M02-01PT (65-12)	8/17/2004	<1.85	<0.11	1.8	1.5630	17	<0.009	<0.02	<0.19	<0.03
FSW 566-M02-02GNT (65-12)	8/17/2004	<1.85	<0.11	1.1	0.7529	14	<0.009	<0.02	<0.19	<0.03
FSW 566-M02-03RT (65-12)	8/17/2004	<1.85	<0.11	<0.46	0.0619	29	<0.009	<0.02	<0.19	<0.03
FSW 566-M02-04BUT (65-12)	8/17/2004	<1.85	<0.11	2.0	0.9829	62	<0.009	<0.02	<0.19	<0.03
FSW 566-M02-05BKT (65-12)	8/17/2004	<1.85	<0.11	2.8	0.6667	133	<0.009	<0.02	<0.19	0.05
FSW 566-M02-06WT (65-12)	8/17/2004	<1.85	<0.11	3.4	0.1900	190	<0.009	<0.02	<0.19	0.04
FSW 566-M02-07O (65-12)	8/17/2004	<1.85	<0.11	5.6	1.8455	195	<0.009	<0.02	<0.19	0.12
FSW 566-M02-08GY (65-12)	8/17/2004	<1.85	<0.11	3.6	0.2079	193	<0.009	0.04	<0.19	0.06
FSW 566-M02-09Y (65-12)	8/17/2004	<1.85	<0.11	3.6	0.1972	212	<0.009	0.08	<0.19	0.04
FSW 566-M02-10P (65-12)	8/17/2004	<1.85	<0.11	5.0	0.8935	217	<0.009	0.12	<0.19	0.08
FSW 566-M02-11GN (65-12)	8/17/2004	<1.85	<0.11	3.2	0.1450	205	<0.009	0.14	<0.19	<0.03
FSW 566-M02-12R (65-12)	8/17/2004	<1.85	<0.11	3.4	0.1376	189	<0.009	0.20	<0.19	<0.03
FSW 566-M02-13BU (65-12)	8/17/2004	<1.85	<0.11	5.0	0.6254	200	<0.009	0.08	<0.19	0.07
FSW 566-M02-13BU (65-12)-D	8/17/2004	<1.85	<0.11	3.8	0.1177	201	<0.009	0.08	<0.19	<0.03
FSW 566-M02-14BK (65-12)	8/17/2004	<1.85	<0.11	4.6	0.5400	210	<0.009	0.08	<0.19	0.04
FSW 566-M02-15W (65-12)	8/17/2004	<1.85	<0.11	4.4	0.2883	247	<0.009	0.16	<0.19	<0.03
FSW 575-M01-01PT	7/10/1996	<1.85	--	35.1	--	268	--	--	<0.19	<0.03
FSW 575-M01-02GNT	7/10/1996	<1.85	--	38.7	--	19	--	--	<0.19	<0.10
FSW 575-M01-03RT	7/10/1996	<1.85	--	37.7	--	261	--	--	<0.19	<0.10
FSW 575-M01-04BUT	7/10/1996	<1.85	--	33.7	--	280	--	--	<0.19	<0.10
FSW 575-M01-05BKT	7/10/1996	<1.85	--	24.4	--	223	--	--	<0.19	<0.10

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
FSW 575-M01-05BKT-D	7/10/1996	<1.85	--	23.8	--	222	--	--	<0.19	<0.10
FSW 575-M01-06WT	7/10/1996	<1.85	--	19.7	--	240	--	--	<0.19	<0.10
FSW 575-M01-07O	7/10/1996	<1.85	--	15.1	--	197	--	--	<0.19	<0.10
FSW 575-M01-08GY	7/10/1996	<1.85	--	9.3	--	183	--	--	<0.19	<0.10
FSW 575-M01-09Y	7/10/1996	<1.85	--	14.3	--	205	--	--	<0.19	<0.10
FSW 575-M01-10P	7/10/1996	<1.85	--	13.4	--	276	--	--	<0.19	<0.10
FSW 575-M01-11GN	7/10/1996	<1.85	--	3.3	--	132	--	--	<0.19	<0.10
FSW 575-M01-12R	7/10/1996	<1.85	--	1.9	--	100	--	--	<0.19	<0.10
FSW 575-M01-13BU	7/10/1996	<1.85	--	1.9	--	97	--	--	<0.19	<0.10
FSW 575-M01-14BK	7/10/1996	<1.85	--	1.6	--	99	--	--	<0.19	<0.10
FSW 575-M01-14BK-D	7/10/1996	<1.85	--	1.5	--	102	--	--	<0.19	<0.10
FSW 575-M01-15W	7/10/1996	<1.85	--	1.7	--	83	--	--	<0.19	<0.10
FSW 575-M02-01PT (44-19)	7/10/1996	<1.85	--	1.1	--	21	--	--	<0.19	<0.10
FSW 575-M02-02GNT (44-19)	7/10/1996	<1.85	--	1.4	--	32	--	--	<0.19	<0.10
FSW 575-M02-03RT (44-19)	7/10/1996	<1.85	--	5.3	--	90	--	--	<0.19	<0.10
FSW 575-M02-04BUT (44-19)	7/10/1996	<1.85	--	13.7	--	184	--	--	<0.19	<0.10
FSW 575-M02-05BKT (44-19)	7/10/1996	<1.85	--	23.4	--	392	--	--	<0.19	<0.10
FSW 575-M02-06WT (44-19)	7/10/1996	<1.85	--	27.7	--	488	--	--	<0.19	<0.10
FSW 575-M02-07O (44-19)	7/10/1996	<1.85	--	37.3	--	720	--	--	<0.19	<0.10
FSW 575-M02-08GY (44-19)	7/10/1996	<1.85	--	27.9	--	519	--	--	<0.19	<0.10
FSW 575-M02-09Y (44-19)	7/10/1996	<1.85	--	29.0	--	506	--	--	<0.19	<0.10
FSW 575-M02-10P (44-19)	7/10/1996	<1.85	--	31.8	--	519	--	--	<0.19	<0.10
FSW 575-M02-11GN (44-19)	7/10/1996	<1.85	--	30.5	--	491	--	--	<0.19	<0.10
FSW 575-M02-12R (44-19)	7/10/1996	<1.85	--	37.0	--	483	--	--	<0.19	<0.10
FSW 575-M02-13BU (44-19)	7/10/1996	<1.85	--	39.5	--	552	--	--	<0.19	<0.10

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
FSW 575-M02-14BK (44-19)	7/10/1996	<1.85	--	35.8	--	513	--	--	<0.19	<0.10
FSW 575-M02-15W (44-19)	7/10/1996	<1.85	--	32.8	--	448	--	--	<0.19	<0.10
FSW 575-M01-01PT	6/18/1997	<1.85	--	33.9	--	392	--	--	<0.19	<0.10
FSW 575-M01-02GNT	6/18/1997	<1.85	--	33.8	--	110	--	--	<0.19	<0.10
FSW 575-M01-03RT	6/18/1997	<1.85	--	29.5	--	185	--	--	<0.19	<0.10
FSW 575-M01-04BUT	6/18/1997	<1.85	--	31.5	--	201	--	--	<0.19	<0.10
FSW 575-M01-06WT	6/18/1997	<1.85	--	26.5	--	145	--	--	<0.19	<0.10
FSW 575-M01-07O	6/18/1997	<1.85	--	21.7	--	156	--	--	<0.19	<0.10
FSW 575-M01-07O-D	6/18/1997	<1.85	--	21.5	--	153	--	--	<0.19	<0.10
FSW 575-M01-08GY	6/18/1997	<1.85	--	26.7	--	11	--	--	<0.19	<0.10
FSW 575-M01-09Y	6/18/1997	<1.85	--	27.3	--	274	--	--	<0.19	<0.10
FSW 575-M01-10P	6/18/1997	<1.85	--	15.9	--	183	--	--	<0.19	<0.10
FSW 575-M01-11GN	6/18/1997	<1.85	--	4.2	--	94	--	--	<0.19	<0.10
FSW 575-M01-12R	6/18/1997	<1.85	--	1.8	--	107	--	--	<0.19	<0.10
FSW 575-M01-13BU	6/18/1997	<1.85	--	1.3	--	99	--	--	<0.19	<0.10
FSW 575-M01-14BK	6/18/1997	<1.85	--	1.3	--	68	--	--	<0.19	<0.10
FSW 575-M01-15W	6/18/1997	<1.85	--	1.1	--	89	--	--	<0.19	<0.10
FSW 575-M02-01PT (44-19)	6/18/1997	<1.85	--	0.8	--	23	--	--	<0.19	<0.10
FSW 575-M02-01PT (44-19)-D	6/18/1997	<1.85	--	0.9	--	22	--	--	<0.19	<0.10
FSW 575-M02-02GNT (44-19)	6/18/1997	<1.85	--	1.5	--	38	--	--	<0.19	<0.10
FSW 575-M02-03RT (44-19)	6/18/1997	<1.85	--	5.9	--	61	--	--	<0.19	<0.10
FSW 575-M02-04BUT (44-19)	6/18/1997	<1.85	--	10.7	--	117	--	--	<0.19	<0.10
FSW 575-M02-05BKT (44-19)	6/18/1997	<1.85	--	19.9	--	188	--	--	<0.19	<0.10
FSW 575-M02-06WT (44-19)	6/18/1997	<1.85	--	29.8	--	399	--	--	<0.19	<0.10

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
FSW 575-M02-07O (44-19)	6/18/1997	<1.85	--	30.7	--	436	--	--	<0.19	<0.10
FSW 575-M02-08GY (44-19)	6/18/1997	<1.85	--	32.8	--	434	--	--	<0.19	<0.10
FSW 575-M02-09Y (44-19)	6/18/1997	<1.85	--	32.4	--	452	--	--	<0.19	<0.10
FSW 575-M02-10P (44-19)	6/18/1997	<1.85	--	33.3	--	442	--	--	<0.19	<0.10
FSW 575-M02-10P (44-19)-D	6/18/1997	<1.85	--	32.3	--	433	--	--	<0.19	<0.10
FSW 575-M02-11GN (44-19)	6/18/1997	<1.85	--	33.3	--	439	--	--	<0.19	<0.10
FSW 575-M02-12R (44-19)	6/18/1997	<1.85	--	35.3	--	470	--	--	<0.19	<0.10
FSW 575-M02-13BU (44-19)	6/18/1997	<1.85	--	36.1	--	469	--	--	<0.19	<0.10
FSW 575-M02-14BK (44-19)	6/18/1997	<1.85	--	35.3	--	430	--	--	<0.19	<0.10
FSW 575-M02-15W (44-19)	6/18/1997	<1.85	--	34.5	--	356	--	--	<0.19	<0.10
FSW 575-M01-01PT	6/3/1998	<1.85	<0.67	29.2	--	234	<0.04	--	<0.19	<0.10
FSW 575-M01-02GNT	6/3/1998	<1.85	<0.67	33.4	--	273	<0.04	--	<0.19	<0.10
FSW 575-M01-03RT	6/3/1998	<1.85	<0.67	32.1	--	11	<0.04	--	<0.19	<0.10
FSW 575-M01-03RT-D	6/3/1998	<1.85	<0.67	29.8	--	10	<0.04	--	<0.19	<0.10
FSW 575-M01-04BUT	6/3/1998	<1.85	<0.67	31.1	--	62	<0.04	--	<0.19	<0.10
FSW 575-M01-05BKT	6/3/1998	<1.85	<0.67	27.0	--	74	<0.04	--	<0.19	<0.10
FSW 575-M01-06WT	6/3/1998	<1.85	<0.67	28.0	--	86	<0.04	--	<0.19	<0.10
FSW 575-M01-07O	6/3/1998	<1.85	<0.67	19.0	--	52	<0.04	--	<0.19	<0.10
FSW 575-M01-08GY	6/3/1998	<1.85	<0.67	9.4	--	36	<0.04	--	<0.19	<0.10
FSW 575-M01-09Y	6/3/1998	<1.85	<0.67	6.9	--	30	<0.04	--	<0.19	<0.10
FSW 575-M01-10P	6/3/1998	<1.85	<0.67	4.8	--	45	<0.04	--	<0.19	<0.10
FSW 575-M01-11GN	6/3/1998	<1.85	<0.67	0.6	--	70	<0.04	--	<0.19	<0.10
FSW 575-M01-12R	6/3/1998	<1.85	<0.67	0.3	--	103	<0.04	--	<0.19	<0.10
FSW 575-M01-12R-D	6/3/1998	<1.85	<0.67	0.7	--	98	<0.04	--	<0.19	<0.10
FSW 575-M01-13BU	6/3/1998	<1.85	<0.67	0.4	--	103	<0.04	--	<0.19	<0.10

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
FSW 575-M01-14BK	6/3/1998	<1.85	<0.67	0.4	--	81	<0.04	--	<0.19	<0.10
FSW 575-M01-15W	6/3/1998	<1.85	<0.67	0.3	--	82	<0.04	--	<0.19	<0.10
FSW 575-M02-01PT (44-19)	6/3/1998	<1.85	<0.67	<0.30	--	19	<0.04	--	<0.19	<0.10
FSW 575-M02-02GNT (44-19)	6/3/1998	<1.85	<0.67	0.5	--	32	<0.04	--	<0.19	<0.10
FSW 575-M02-03RT (44-19)	6/3/1998	<1.85	<0.67	2.8	--	64	<0.04	--	<0.19	<0.10
FSW 575-M02-04BUT (44-19)	6/3/1998	<1.85	<0.67	7.6	--	105	<0.04	--	<0.19	<0.10
FSW 575-M02-05BKT (44-19)	6/3/1998	<1.85	<0.67	11.3	--	164	<0.04	--	<0.19	<0.10
FSW 575-M02-06WT (44-19)	6/3/1998	<1.85	<0.67	14.8	--	175	<0.04	--	<0.19	<0.10
FSW 575-M02-06WT (44-19)-D	6/3/1998	<1.85	<0.67	15.2	--	175	<0.04	--	<0.19	<0.10
FSW 575-M02-07O (44-19)	6/3/1998	<1.85	<0.67	16.7	--	176	<0.04	--	<0.19	<0.10
FSW 575-M02-08GY (44-19)	6/3/1998	<1.85	<0.67	18.7	--	185	<0.04	--	<0.19	<0.10
FSW 575-M02-09Y (44-19)	6/3/1998	<1.85	<0.67	17.4	--	218	<0.04	--	<0.19	<0.10
FSW 575-M02-10P (44-19)	6/3/1998	<1.85	<0.67	18.7	--	236	<0.04	--	<0.19	<0.10
FSW 575-M02-11GN (44-19)	6/3/1998	<1.85	<0.67	19.4	--	208	<0.04	--	<0.19	<0.10
FSW 575-M02-12R (44-19)	6/3/1998	<1.85	<0.67	17.2	--	163	<0.04	--	<0.19	<0.10
FSW 575-M02-13BU (44-19)	6/3/1998	<1.85	<0.67	22.6	--	190	<0.04	--	<0.19	<0.10
FSW 575-M02-14BK (44-19)	6/3/1998	<1.85	<0.67	23.2	--	170	<0.04	--	<0.19	<0.10
FSW 575-M02-15W (44-19)	6/3/1998	<1.85	<0.67	27.0	--	207	<0.04	--	<0.19	<0.10
FSW 575-M01-01PT	6/7/1999	<1.85	<0.11	10.7	--	78	<0.04	--	<0.19	0.14
FSW 575-M01-02GNT	6/7/1999	<1.85	<0.11	12.7	--	81	<0.04	--	<0.19	0.11
FSW 575-M01-03RT	6/7/1999	<1.85	<0.11	9.8	--	134	<0.04	--	<0.19	<0.10
FSW 575-M01-04BUT	6/7/1999	<1.85	<0.11	5.8	--	86	<0.04	--	<0.19	<0.10
FSW 575-M01-05BKT	6/7/1999	<1.85	<0.11	5.2	--	88	<0.04	--	<0.19	<0.10
FSW 575-M01-06WT	6/7/1999	<1.85	<0.11	4.2	--	58	<0.04	--	<0.19	<0.10

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
FSW 575-M01-06WT-D	6/7/1999	<1.85	<0.11	4.1	--	60	<0.04	--	<0.19	0.12
FSW 575-M01-07O	6/7/1999	<1.85	<0.11	3.9	--	45	<0.04	--	<0.19	<0.10
FSW 575-M01-08GY	6/7/1999	<1.85	<0.11	3.4	--	62	<0.04	--	<0.19	<0.10
FSW 575-M01-09Y	6/7/1999	<1.85	<0.11	2.4	--	126	<0.04	--	<0.19	<0.10
FSW 575-M01-09Y-D	6/7/1999	<1.85	<0.11	2.0	--	136	<0.04	--	<0.19	0.10
FSW 575-M01-10P	6/7/1999	<1.85	<0.11	2.1	--	52	<0.04	--	<0.19	<0.10
FSW 575-M01-11GN	6/7/1999	<1.85	<0.11	1.7	--	100	<0.04	--	<0.19	<0.10
FSW 575-M01-12R	6/7/1999	<1.85	<0.11	1.8	--	98	<0.04	--	<0.19	<0.10
FSW 575-M01-13BU	6/7/1999	<1.85	<0.11	1.5	--	91	<0.04	--	<0.19	<0.10
FSW 575-M01-14BK	6/7/1999	<1.85	<0.11	1.6	--	77	<0.04	--	<0.19	<0.10
FSW 575-M01-15W	6/7/1999	<1.85	<0.11	1.7	--	79	<0.04	--	<0.19	<0.10
FSW 575-M02-01PT (44-19)	6/7/1999	<1.85	<0.67	1.5	--	28	<0.04	--	<0.19	<0.10
FSW 575-M02-02GNT (44-19)	6/7/1999	<1.85	<0.67	2.2	--	41	<0.04	--	<0.19	<0.10
FSW 575-M02-03RT (44-19)	6/7/1999	<1.85	<0.67	5.0	--	101	<0.04	--	<0.19	<0.10
FSW 575-M02-04BUT (44-19)	6/7/1999	<1.85	<0.67	6.8	--	154	<0.04	--	<0.19	<0.10
FSW 575-M02-05BKT (44-19)	6/7/1999	<1.85	<0.67	7.8	--	195	<0.04	--	<0.19	0.11
FSW 575-M02-06WT (44-19)	6/7/1999	<1.85	<0.67	10.0	--	260	<0.04	--	<0.19	<0.10
FSW 575-M02-07O (44-19)	6/7/1999	<1.85	<0.67	10.4	--	260	<0.04	--	<0.19	<0.10
FSW 575-M02-07O (44-19)-D	6/7/1999	<1.85	<0.67	10.7	--	272	<0.04	--	<0.19	<0.10
FSW 575-M02-08GY (44-19)	6/7/1999	<1.85	<0.67	10.2	--	201	<0.04	--	<0.19	0.11
FSW 575-M02-09Y (44-19)	6/7/1999	<1.85	<0.67	9.4	--	216	<0.04	--	<0.19	0.11
FSW 575-M02-10P (44-19)	6/7/1999	<1.85	<0.67	9.1	--	224	<0.04	--	<0.19	<0.10
FSW 575-M02-11GN (44-19)	6/7/1999	<1.85	<0.67	8.4	--	221	<0.04	--	<0.19	<0.10
FSW 575-M02-12R (44-19)	6/7/1999	<1.85	<0.67	7.8	--	228	<0.04	--	<0.19	<0.10
FSW 575-M02-13BU (44-19)	6/7/1999	<1.85	<0.67	11.0	--	139	<0.04	--	<0.19	<0.10

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
FSW 575-M02-14BK (44-19)	6/7/1999	<1.85	<0.67	15.0	--	92	<0.04	--	<0.19	<0.10
FSW 575-M02-15W (44-19)	6/7/1999	<1.85	<0.67	11.9	--	77	<0.04	--	<0.19	<0.10
FSW 575-M01-01PT	5/31/2000	<1.85	<0.11	7.7	0.1421	189	<0.009	<0.02	<0.19	0.05
FSW 575-M01-02GNT	5/31/2000	<1.85	<0.11	7.1	0.1889	194	<0.009	<0.02	<0.19	<0.03
FSW 575-M01-03RT-D	5/31/2000	<1.85	<0.11	1.9	0.0491	124	<0.009	<0.02	<0.19	<0.03
FSW 575-M01-04BUT	5/31/2000	<1.85	0.23	4.2	0.0744	83	<0.009	<0.02	<0.19	<0.03
FSW 575-M01-05BKT	5/31/2000	<1.85	0.21	4.7	0.0784	82	<0.009	<0.02	<0.19	<0.03
FSW 575-M01-06WT	5/31/2000	<1.85	0.19	2.6	0.0834	54	<0.009	<0.02	<0.19	<0.03
FSW 575-M01-07O	5/31/2000	<1.85	0.15	2.8	0.1140	82	<0.009	<0.02	<0.19	<0.03
FSW 575-M01-08GY	5/31/2000	<1.85	<0.11	2.5	0.0586	43	<0.009	<0.02	<0.19	<0.03
FSW 575-M01-09Y	5/31/2000	<1.85	<0.11	1.9	0.0623	113	<0.009	<0.02	<0.19	<0.03
FSW 575-M01-10P	5/31/2000	<1.85	<0.11	1.5	0.0341	103	<0.009	<0.02	<0.19	<0.03
FSW 575-M01-11GN	5/31/2000	<1.85	<0.11	1.7	0.0382	118	<0.009	<0.02	<0.19	<0.03
FSW 575-M01-12R	5/31/2000	<1.85	<0.11	1.6	0.0333	108	<0.009	<0.02	<0.19	<0.03
FSW 575-M01-13BU	5/31/2000	<1.85	<0.11	1.2	0.0415	80	<0.009	<0.02	<0.19	<0.03
FSW 575-M01-14BK	5/31/2000	<1.85	<0.11	1.4	0.0505	108	<0.009	<0.02	<0.19	<0.03
FSW 575-M01-15W	5/31/2000	<1.85	<0.11	1.9	0.0618	114	<0.009	<0.02	<0.19	<0.03
FSW 575-M02-01PT (44-19)	5/31/2000	<1.85	<0.11	<0.46	0.0191	23	<0.009	<0.02	<0.19	<0.03
FSW 575-M02-02GNT (44-19)	5/31/2000	<1.85	<0.11	1.0	0.1119	47	<0.009	<0.02	<0.19	<0.03
FSW 575-M02-03RT (44-19)	5/31/2000	<1.85	<0.11	2.1	0.1594	86	<0.009	<0.02	<0.19	<0.03
FSW 575-M02-03RT (44-19)-D	5/31/2000	<1.85	<0.11	2.0	0.1538	86	<0.009	<0.02	<0.19	<0.03
FSW 575-M02-04BUT (44-19)	5/31/2000	<1.85	<0.11	4.7	0.2678	156	<0.009	<0.02	<0.19	0.07
FSW 575-M02-05BKT (44-19)	5/31/2000	<1.85	<0.11	4.8	0.2728	169	<0.009	<0.02	<0.19	0.10
FSW 575-M02-06WT (44-19)	5/31/2000	<1.85	<0.11	6.6	0.2251	281	<0.009	<0.02	<0.19	0.07

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
FSW 575-M02-07O (44-19)	5/31/2000	<1.85	<0.11	5.9	0.2012	291	<0.009	<0.02	<0.19	0.05
FSW 575-M02-08GY (44-19)	5/31/2000	<1.85	<0.11	8.0	0.2326	396	<0.009	<0.02	<0.19	<0.03
FSW 575-M02-09Y (44-19)	5/31/2000	<1.85	<0.11	6.6	0.2983	396	<0.009	<0.02	<0.19	<0.03
FSW 575-M02-10P (44-19)	5/31/2000	<1.85	<0.11	5.8	0.2513	390	<0.009	<0.02	<0.19	<0.03
FSW 575-M02-10P (44-19)-D	5/31/2000	<1.85	<0.11	6.1	0.2643	417	<0.009	<0.02	<0.19	<0.03
FSW 575-M02-11GN (44-19)	5/31/2000	<1.85	<0.11	6.4	0.2476	517	<0.009	<0.02	<0.19	<0.03
FSW 575-M02-12R (44-19)	5/31/2000	<1.85	<0.11	6.3	0.2186	324	<0.009	<0.02	<0.19	0.05
FSW 575-M02-13BU (44-19)	5/31/2000	<1.85	<0.11	4.7	0.1900	296	<0.009	<0.02	<0.19	<0.03
FSW 575-M02-14BK (44-19)	5/31/2000	<1.85	<0.11	5.8	0.2026	315	<0.009	<0.02	<0.19	<0.03
FSW 575-M02-15W (44-19)	5/31/2000	<1.85	<0.11	5.8	0.1395	225	<0.009	<0.02	<0.19	<0.03
FSW 575-M01-01PT	7/11/2002	<1.85	<0.11	3.6	0.1932	338	<0.009	0.05	<0.19	<0.03
FSW 575-M01-02GNT	7/11/2002	<1.85	<0.11	3.7	0.1861	265	<0.009	0.05	<0.19	<0.03
FSW 575-M01-03RT	7/11/2002	1.58	<0.11	3.9	0.2116	227	<0.009	0.09	<0.19	<0.03
FSW 575-M01-04BUT	7/11/2002	<1.85	0.15	4.5	0.2436	201	<0.009	0.13	<0.19	<0.03
FSW 575-M01-05BKT	7/11/2002	<1.85	0.14	3.8	0.1775	305	<0.009	0.13	<0.19	<0.03
FSW 575-M01-06WT	7/11/2002	<1.85	0.14	3.6	0.1919	193	<0.009	0.12	<0.19	<0.03
FSW 575-M01-06WT-D	7/11/2002	<1.85	0.13	3.6	0.2000	198	<0.009	0.12	<0.19	<0.03
FSW 575-M01-07O	7/11/2002	<1.85	0.13	2.9	0.1370	141	<0.009	0.16	<0.19	<0.03
FSW 575-M01-08GY	7/11/2002	<1.85	<0.11	1.8	0.1102	152	<0.009	0.07	<0.19	<0.03
FSW 575-M01-09Y	7/11/2002	<1.85	<0.11	1.4	0.0373	60	<0.009	<0.02	<0.19	<0.03
FSW 575-M01-10P	7/11/2002	<1.85	<0.11	1.2	0.0491	114	<0.009	<0.02	<0.19	<0.03
FSW 575-M01-11GN	7/11/2002	<1.85	<0.11	1.5	0.0316	93	<0.009	<0.02	<0.19	<0.03
FSW 575-M01-12R	7/11/2002	<1.85	<0.11	1.6	0.0311	98	<0.009	<0.02	<0.19	<0.03
FSW 575-M01-13BU	7/11/2002	<1.85	<0.11	1.5	0.0279	95	<0.009	<0.02	<0.19	<0.03
FSW 575-M01-14BK	7/11/2002	<1.85	<0.11	1.2	0.0303	63	<0.009	<0.02	<0.19	<0.03

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
FSW 575-M01-15W	7/11/2002	<1.85	<0.11	1.1	0.0315	59	<0.009	<0.02	<0.19	<0.03
FSW 575-M02-01PT (44-19)	7/11/2002	<1.85	<0.11	<0.46	0.0159	12	<0.009	<0.02	<0.19	<0.03
FSW 575-M02-02GNT (44-19)	7/11/2002	<1.85	<0.11	1.1	0.0810	41	<0.009	<0.02	<0.19	<0.03
FSW 575-M02-03RT (44-19)	7/11/2002	<1.85	<0.11	1.7	0.1698	91	<0.009	<0.02	<0.19	<0.03
FSW 575-M02-04BUT (44-19)	7/11/2002	<1.85	<0.11	2.7	0.2515	151	<0.009	<0.02	<0.19	0.05
FSW 575-M02-05BKT (44-19)	7/11/2002	<1.85	<0.11	3.6	0.3025	224	<0.009	0.19	<0.19	0.08
FSW 575-M02-06WT (44-19)	7/11/2002	2.91	<0.11	4.2	0.1935	251	<0.009	0.06	<0.19	0.05
FSW 575-M02-07O (44-19)	7/11/2002	<1.85	<0.11	4.6	0.1768	237	<0.009	0.04	<0.19	0.04
FSW 575-M02-08GY (44-19)	7/11/2002	<1.85	<0.11	4.5	0.1588	219	<0.009	<0.02	<0.19	<0.03
FSW 575-M02-09Y (44-19)	7/11/2002	<1.85	<0.11	4.2	0.1375	208	<0.009	0.03	<0.19	<0.03
FSW 575-M02-09Y (44-19)-D	7/11/2002	<1.85	<0.11	4.3	0.1439	214	<0.009	0.03	<0.19	0.04
FSW 575-M02-10P (44-19)	7/11/2002	<1.85	<0.11	4.2	0.1260	228	<0.009	0.04	<0.19	<0.03
FSW 575-M02-11GN (44-19)	7/11/2002	<1.85	<0.11	3.9	0.1121	248	<0.009	0.03	<0.19	<0.03
FSW 575-M02-12R (44-19)	7/11/2002	<1.85	<0.11	3.5	0.1174	276	<0.009	<0.02	<0.19	<0.03
FSW 575-M02-13BU (44-19)	7/11/2002	<1.85	<0.11	3.5	0.1440	278	<0.009	0.03	<0.19	<0.03
FSW 575-M02-14BK (44-19)	7/11/2002	<1.85	<0.11	3.8	0.1873	288	<0.009	0.04	<0.19	<0.03
FSW 575-M02-15W (44-19)	7/11/2002	<1.85	<0.11	4.0	0.2161	358	<0.009	0.05	<0.19	<0.03
FSW 575-M01-01PT	8/30/2004	<1.85	<0.11	3.6	0.1048	263	<0.009	0.04	<0.19	<0.03
FSW 575-M01-01PT-D	8/30/2004	<1.85	<0.11	3.6	0.1054	272	<0.009	0.04	<0.19	<0.03
FSW 575-M01-02GNT	8/30/2004	<1.85	<0.11	3.9	0.0890	184	<0.009	0.03	<0.19	<0.03
FSW 575-M01-03RT	8/30/2004	<1.85	<0.11	4.6	0.0977	200	<0.009	0.05	<0.19	<0.03
FSW 575-M01-04BUT	8/30/2004	<1.85	0.13	4.9	0.0679	101	<0.009	0.05	<0.19	<0.03
FSW 575-M01-05BKT	8/30/2004	<1.85	<0.11	4.6	0.0564	163	<0.009	0.05	<0.19	<0.03
FSW 575-M01-06WT	8/30/2004	<1.85	<0.11	3.8	0.0706	114	<0.009	0.05	<0.19	<0.03

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
FSW 575-M01-07O	8/30/2004	<1.85	<0.11	2.9	0.0599	82	<0.009	0.06	<0.19	<0.03
FSW 575-M01-08GY	8/30/2004	<1.85	<0.11	1.7	0.0430	67	<0.009	0.02	<0.19	<0.03
FSW 575-M01-08GY-D	8/30/2004	<1.85	<0.11	1.7	0.0442	70	<0.009	<0.02	<0.19	<0.03
FSW 575-M01-09Y	8/30/2004	<1.85	<0.11	1.4	0.0346	68	<0.009	<0.02	<0.19	<0.03
FSW 575-M01-10P	8/30/2004	<1.85	<0.11	1.4	0.0337	95	<0.009	<0.02	<0.19	<0.03
FSW 575-M01-11GN	8/30/2004	--	--	--	--	--	--	--	--	--
FSW 575-M01-12R	8/30/2004	--	--	--	--	--	--	--	--	--
FSW 575-M01-13BU	8/30/2004	<1.85	<0.11	1.8	0.0306	117	<0.009	<0.02	<0.19	<0.03
FSW 575-M01-14BK	8/30/2004	<1.85	<0.11	1.3	0.0259	57	<0.009	<0.02	<0.19	<0.03
FSW 575-M01-15W	8/30/2004	<1.85	<0.11	1.0	0.0265	55	<0.009	<0.02	<0.19	<0.03
FSW 575-M02-01PT (44-19)	8/30/2004	<1.85	<0.11	0.6	0.0224	19	<0.009	<0.02	<0.19	<0.03
FSW 575-M02-02GNT (44-19)	8/30/2004	<1.85	<0.11	0.9	0.0844	38	<0.009	<0.02	<0.19	<0.03
FSW 575-M02-02GNT (44-19)-D	8/30/2004	<1.85	<0.11	1.0	0.0875	38	<0.009	<0.02	<0.19	<0.03
FSW 575-M02-03RT (44-19)	8/30/2004	<1.85	<0.11	1.5	0.1364	78	<0.009	<0.02	<0.19	<0.03
FSW 575-M02-04BUT (44-19)	8/30/2004	<1.85	<0.11	2.5	0.1772	127	<0.009	<0.02	<0.19	0.07
FSW 575-M02-05BKT (44-19)	8/30/2004	<1.85	<0.11	3.2	0.2218	172	<0.009	0.05	<0.19	0.13
FSW 575-M02-06WT (44-19)	8/30/2004	<1.85	<0.11	3.1	0.1209	194	<0.009	0.04	<0.19	0.07
FSW 575-M02-07O (44-19)	8/30/2004	<1.85	<0.11	3.1	0.1263	213	<0.009	0.02	<0.19	0.06
FSW 575-M02-08GY (44-19)	8/30/2004	<1.85	<0.11	2.9	0.1182	211	<0.009	<0.02	<0.19	0.04
FSW 575-M02-09Y (44-19)	8/30/2004	<1.85	<0.11	2.8	0.1231	204	<0.009	0.02	<0.19	0.05
FSW 575-M02-10P (44-19)	8/30/2004	<1.85	<0.11	2.8	0.1072	200	<0.009	0.03	<0.19	0.05
FSW 575-M02-11GN (44-19)	8/30/2004	<1.85	<0.11	2.6	0.1006	233	<0.009	0.02	<0.19	0.05
FSW 575-M02-12R (44-19)	8/30/2004	<1.85	<0.11	2.6	0.0968	253	<0.009	<0.02	<0.19	0.04
FSW 575-M02-13BU (44-19)	8/30/2004	<1.85	<0.11	2.8	0.1177	210	<0.009	0.03	<0.19	0.04
FSW 575-M02-14BK (44-19)	8/30/2004	<1.85	<0.11	2.9	0.1257	229	<0.009	0.03	<0.19	0.04

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
FSW 575-M02-15W (44-19)	8/30/2004	<1.85	<0.11	3.2	0.1094	252	<0.009	0.03	<0.19	0.04
FSW 577-0061	9/13/1995	<1.85	--	33.2	--	506	--	--	<0.19	0.27
FSW 577-0071	9/13/1995	<1.85	--	32.1	--	390	--	--	<0.19	0.18
FSW 577-0081	9/13/1995	7.78	--	34.5	--	511	--	--	<0.19	0.15
FSW 577-0097	9/13/1995	<1.85	--	20.0	--	584	--	--	<0.19	0.15
FSW 577-0111	9/13/1995	<1.85	--	4.5	--	375	--	--	<0.19	0.14
FSW 577-0126	9/13/1995	<1.85	--	1.6	--	91	--	--	<0.19	0.14
FSW 577-0142	9/13/1995	<1.85	--	1.4	--	86	--	--	<0.19	0.10
FSW 577-0051	12/6/1995	3.08	--	29.4	--	447	--	--	<0.19	0.82
FSW 577-0061	12/6/1995	<1.85	--	34.2	--	506	--	--	<0.19	<0.10
FSW 577-0071	12/6/1995	<1.85	--	38.3	--	445	--	--	<0.19	<0.10
FSW 577-0081	12/7/1995	<1.85	--	31.4	--	551	--	--	<0.19	<0.10
FSW 577-0097	12/7/1995	<1.85	--	31.9	--	424	--	--	<0.19	<0.10
FSW 577-0111	12/7/1995	<1.85	--	25.5	--	665	--	--	<0.19	<0.10
FSW 577-0126	12/7/1995	<1.85	--	1.6	--	82	--	--	<0.19	<0.10
FSW 577-0142	12/7/1995	<1.85	--	1.3	--	73	--	--	<0.19	<0.10
FSW 577-0142-D	12/7/1995	<1.85	--	1.2	--	78	--	--	<0.19	<0.10
FSW 577-0051	6/21/1996	2.59	--	12.7	--	172	--	--	<0.19	0.69
FSW 577-0051-R	6/21/1996	2.75	--	12.4	--	174	--	--	<0.19	0.73
FSW 577-0061	6/21/1996	0.82	--	31.3	--	605	--	--	<0.19	<0.10
FSW 577-0061-R	6/21/1996	0.90	--	30.0	--	592	--	--	<0.19	<0.10
FSW 577-0071	6/21/1996	0.80	--	30.7	--	408	--	--	<0.19	<0.10
FSW 577-0071-R	6/21/1996	0.86	--	29.7	--	401	--	--	<0.19	<0.10

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
FSW 577-0081	6/21/1996	0.49	--	38.6	--	332	--	--	<0.19	<0.10
FSW 577-0081-R	6/21/1996	0.32	--	40.0	--	345	--	--	<0.19	<0.10
FSW 577-0097	6/21/1996	0.46	--	43.4	--	232	--	--	<0.19	<0.10
FSW 577-0097-D	6/21/1996	<1.85	--	43.7	--	232	--	--	<0.19	<0.10
FSW 577-0097-R	6/21/1996	0.52	--	42.2	--	230	--	--	<0.19	<0.10
FSW 577-0111	6/21/1996	0.24	--	19.6	--	172	--	--	<0.19	<0.10
FSW 577-0111-R	6/21/1996	0.23	--	20.1	--	177	--	--	<0.19	0.11
FSW 577-0126	6/21/1996	0.00	--	2.1	--	47	--	--	<0.19	<0.10
FSW 577-0126-R	6/21/1996	0.37	--	1.7	--	47	--	--	<0.19	<0.10
FSW 577-0142	6/21/1996	0.56	--	1.1	--	58	--	--	<0.19	<0.10
FSW 577-0142-R	6/21/1996	0.10	--	1.0	--	59	--	--	<0.19	<0.10
FSW 577-0051	11/19/1996	2.13	<0.67	12.4	--	200	<0.04	--	<0.19	0.71
FSW 577-0061	11/19/1996	<1.85	<0.67	21.5	--	192	<0.04	--	<0.19	<0.10
FSW 577-0071	11/19/1996	<1.85	<0.67	27.9	--	264	<0.04	--	<0.19	<0.10
FSW 577-0081	11/19/1996	<1.85	<0.67	29.2	--	464	<0.04	--	<0.19	<0.10
FSW 577-0097	11/19/1996	<1.85	<0.67	15.5	--	197	<0.04	--	<0.19	<0.10
FSW 577-0097-D	11/19/1996	<1.85	<0.67	13.9	--	189	<0.04	--	<0.19	<0.10
FSW 577-0111	11/19/1996	<1.85	<0.67	2.1	--	124	<0.04	--	<0.19	<0.10
FSW 577-0126	11/19/1996	<1.85	<0.67	0.5	--	57	<0.04	--	2.35	<0.10
FSW 577-0142	11/19/1996	<1.85	<0.67	1.4	--	91	<0.04	--	<0.19	<0.10
FSW 577-0051	2/28/1997	2.90	--	9.7	--	145	--	--	<0.19	0.68
FSW 577-0061	2/28/1997	<1.85	--	14.5	--	152	--	--	<0.19	<0.10
FSW 577-0071	2/28/1997	<1.85	--	8.2	--	222	--	--	<0.19	<0.10
FSW 577-0081	2/28/1997	<1.85	--	15.8	--	160	--	--	<0.19	<0.10

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
FSW 577-0081-D	2/28/1997	<1.85	--	16.6	--	171	--	--	<0.19	<0.10
FSW 577-0097	2/28/1997	<1.85	--	6.4	--	264	--	--	<0.19	<0.10
FSW 577-0111	2/28/1997	<1.85	--	1.7	--	104	--	--	<0.19	<0.10
FSW 577-0126	2/28/1997	--	--	--	--	--	--	--	--	--
FSW 577-0142	2/28/1997	--	--	--	--	--	--	--	--	--
FSW 577-0051	5/29/1997	3.32	--	9.7	--	198	--	--	<0.19	0.65
FSW 577-0061	5/29/1997	<1.85	--	14.6	--	560	--	--	<0.19	<0.10
FSW 577-0071	5/29/1997	<1.85	--	7.5	--	224	--	--	<0.19	<0.10
FSW 577-0081	5/29/1997	<1.85	--	7.6	--	148	--	--	<0.19	<0.10
FSW 577-0097	5/29/1997	<1.85	--	4.2	--	284	--	--	<0.19	<0.10
FSW 577-0111	5/29/1997	<1.85	--	1.4	--	131	--	--	<0.19	<0.10
FSW 577-0126	5/29/1997	<1.85	--	0.7	--	46	--	--	<0.19	<0.10
FSW 577-0126-D	5/29/1997	<1.85	--	1.0	--	47	--	--	<0.19	<0.10
FSW 577-0142	5/29/1997	<1.85	--	1.0	--	61	--	--	<0.19	<0.10
FSW 577-0051	8/25/1997	3.54	<0.67	8.9	--	149	<0.04	--	<0.19	0.73
FSW 577-0061	8/25/1997	<1.85	<0.67	9.1	--	244	<0.04	--	<0.19	<0.10
FSW 577-0071	8/25/1997	<1.85	<0.67	7.0	--	222	<0.04	--	<0.19	<0.10
FSW 577-0071-D	8/25/1997	<1.85	<0.67	6.9	--	226	<0.04	--	<0.19	<0.10
FSW 577-0081	8/25/1997	<1.85	<0.67	6.1	--	328	<0.04	--	<0.19	<0.10
FSW 577-0097	8/25/1997	<1.85	<0.67	3.7	--	231	<0.04	--	<0.19	<0.10
FSW 577-0111	8/25/1997	<1.85	<0.67	1.5	--	151	<0.04	--	<0.19	<0.10
FSW 577-0126	8/25/1997	<1.85	<0.67	0.8	--	46	<0.04	--	<0.19	<0.10
FSW 577-0142	8/25/1997	<1.85	<0.67	1.2	--	57	<0.04	--	<0.19	<0.10

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
FSW 577-0051	11/13/1997	4.25	<0.67	7.2	--	164	0.091	--	<0.19	0.83
FSW 577-0061	11/13/1997	<1.85	<0.67	6.7	--	237	<0.04	--	<0.19	<0.10
FSW 577-0071	11/13/1997	<1.85	<0.67	5.2	--	310	<0.04	--	<0.19	<0.10
FSW 577-0071-D	11/13/1997	<1.85	<0.67	4.8	--	307	<0.04	--	<0.19	<0.10
FSW 577-0081	11/13/1997	<1.85	<0.67	5.0	--	278	<0.04	--	<0.19	<0.10
FSW 577-0097	11/13/1997	<1.85	<0.67	3.1	--	202	<0.04	--	<0.19	<0.10
FSW 577-0111	11/13/1997	<1.85	<0.67	1.2	--	155	<0.04	--	<0.19	<0.10
FSW 577-0126	11/13/1997	<1.85	<0.67	0.9	--	46	<0.04	--	<0.19	<0.10
FSW 577-0142	11/13/1997	<1.85	<0.67	1.1	--	50	<0.04	--	<0.19	<0.10
FSW 577-0051	6/18/1998	3.00	<0.67	4.6	--	135	<0.04	--	<0.19	0.48
FSW 577-0061	6/18/1998	<1.85	<0.67	5.3	--	400	<0.04	--	<0.19	<0.10
FSW 577-0071	6/18/1998	<1.85	<0.67	3.8	--	373	<0.04	--	<0.19	<0.10
FSW 577-0071-D	6/18/1998	<1.85	<0.67	3.7	--	373	<0.04	--	<0.19	<0.10
FSW 577-0081	6/18/1998	<1.85	<0.67	3.7	--	416	<0.04	--	<0.19	<0.10
FSW 577-0097	6/18/1998	<1.85	<0.67	2.4	--	246	<0.04	--	<0.19	<0.10
FSW 577-0111	6/18/1998	<1.85	<0.67	0.9	--	247	<0.04	--	<0.19	<0.10
FSW 577-0126	6/18/1998	<1.85	<0.67	0.7	--	44	<0.04	--	<0.19	<0.10
FSW 577-0142	6/18/1998	<1.85	<0.67	0.7	--	47	<0.04	--	<0.19	<0.10
FSW 577-0051	11/17/1998	17.31	<0.67	7.4	--	195	<0.04	<0.25	<0.19	0.68
FSW 577-0061	11/17/1998	<1.85	<0.67	4.9	--	497	<0.04	<0.25	<0.19	<0.10
FSW 577-0061-D	11/17/1998	<1.85	<0.67	4.5	--	472	<0.04	<0.25	<0.19	<0.10
FSW 577-0071	11/17/1998	<1.85	<0.67	3.6	--	418	<0.04	<0.25	<0.19	<0.10
FSW 577-0081	11/17/1998	<1.85	<0.67	3.5	--	461	<0.04	<0.25	<0.19	<0.10
FSW 577-0097	11/17/1998	<1.85	<0.67	3.1	--	308	<0.04	<0.25	<0.19	<0.10

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
FSW 577-0111	11/17/1998	<1.85	<0.67	1.4	--	143	<0.04	<0.25	<0.19	<0.10
FSW 577-0126	11/17/1998	<1.85	<0.67	0.9	--	49	<0.04	<0.25	<0.19	<0.10
FSW 577-0142	11/17/1998	7.37	<0.67	2.1	--	62	<0.04	<0.25	<0.19	<0.10
FSW 577-0051	6/30/1999	4.52	<0.67	3.8	--	204	0.062	--	<0.19	0.64
FSW 577-0051-X	6/30/1999	<1.85	<0.67	3.7	--	<0.25	<0.04	--	<0.19	0.32
FSW 577-0061	6/30/1999	<1.85	<0.67	3.8	--	258	0.047	--	<0.19	<0.10
FSW 577-0071	6/30/1999	<1.85	<0.67	2.4	--	313	0.039	--	<0.19	<0.10
FSW 577-0081	6/30/1999	<1.85	<0.67	2.6	--	381	<0.04	--	<0.19	<0.10
FSW 577-0081-D	6/30/1999	<1.85	<0.67	3.2	--	420	<0.04	--	<0.19	<0.10
FSW 577-0097	6/30/1999	<1.85	<0.67	2.9	--	305	<0.04	--	<0.19	<0.10
FSW 577-0111	6/30/1999	<1.85	<0.67	1.3	--	93	<0.04	--	<0.19	<0.10
FSW 577-0126	6/30/1999	<1.85	<0.67	0.9	--	43	<0.04	--	<0.19	<0.10
FSW 577-0142	6/30/1999	<1.85	<0.67	0.8	--	49	<0.04	--	<0.19	<0.10
FSW 577-0051	6/23/2000	5.26	<0.11	4.1	0.0125	195	<0.009	<0.02	<0.19	0.68
FSW 577-0051-X	6/23/2000	<1.85	<0.11	4.1	<0.007	<0.5	<0.009	<0.02	<0.19	0.41
FSW 577-0061	6/23/2000	2.13	<0.11	3.6	0.0066	293	<0.009	<0.02	<0.19	<0.03
FSW 577-0061-D	6/23/2000	2.57	<0.11	4.4	0.0092	506	<0.009	<0.02	<0.19	0.05
FSW 577-0071	6/23/2000	2.47	<0.11	2.7	0.0205	409	<0.009	<0.02	<0.19	<0.03
FSW 577-0081	6/23/2000	3.14	0.15	2.8	0.0154	454	<0.009	<0.02	<0.19	<0.03
FSW 577-0097	6/23/2000	3.89	0.14	3.7	0.0436	469	<0.009	<0.02	<0.19	0.21
FSW 577-0111	6/22/2000	<1.85	<0.11	1.6	0.0157	95	<0.009	<0.02	<0.19	<0.03
FSW 577-0126	6/22/2000	<1.85	<0.11	1.1	0.0299	56	<0.009	<0.02	<0.19	<0.03
FSW 577-0142	6/22/2000	<1.85	<0.11	0.9	0.0178	53	<0.009	<0.02	<0.19	<0.03

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
FSW 577-0051	8/15/2002	3.63	<0.11	1.6	0.0086	146	<0.009	0.03	<0.19	0.52
FSW 577-0061	8/15/2002	2.02	<0.11	1.4	<0.007	224	<0.009	0.05	<0.19	0.03
FSW 577-0071	8/15/2002	1.69	<0.11	1.4	0.0097	196	<0.009	<0.02	<0.19	<0.03
FSW 577-0081	8/15/2002	<1.85	<0.11	2.5	0.0088	217	<0.009	<0.02	<0.19	<0.03
FSW 577-0097	8/15/2002	<1.85	<0.11	3.4	0.0065	163	<0.009	<0.02	<0.19	<0.03
FSW 577-0111	8/15/2002	<1.85	<0.11	0.6	0.0154	78	<0.009	<0.02	<0.19	<0.03
FSW 577-0126	8/15/2002	<1.85	<0.11	0.7	0.0347	66	<0.009	<0.02	<0.19	<0.03
FSW 577-0142	8/15/2002	<1.85	<0.11	<0.46	0.0197	72	<0.009	<0.02	<0.19	<0.03
FSW 577-0051	8/2/2004	4.35	<0.11	1.8	0.0084	132	<0.009	<0.02	<0.19	0.48
FSW 577-0051-D	8/2/2004	<1.85	<0.11	3.6	1.5170	135	<0.009	<0.02	<0.19	0.51
FSW 577-0061	8/2/2004	<1.85	<0.11	1.8	<0.007	239	<0.009	0.06	<0.19	<0.03
FSW 577-0071	8/2/2004	<1.85	<0.11	1.7	<0.007	292	<0.009	0.03	<0.19	<0.03
FSW 577-0081	8/2/2004	<1.85	<0.11	2.1	<0.007	191	<0.009	<0.02	<0.19	<0.03
FSW 577-0097	8/2/2004	<1.85	<0.11	2.3	<0.007	171	<0.009	<0.02	<0.19	<0.03
FSW 577-0111	8/2/2004	<1.85	<0.11	1.5	0.2302	213	<0.009	<0.02	<0.19	<0.03
FSW 577-0126	8/2/2004	<1.85	<0.11	1.1	0.0794	155	<0.009	0.03	<0.19	<0.03
FSW 577-0142	8/2/2004	<1.85	<0.11	2.2	0.5129	64	<0.009	<0.02	<0.19	<0.03
FSW 586-0058	6/15/1996	1.33	--	11.6	--	155	--	--	<0.19	0.36
FSW 586-0068	6/15/1996	0.53	--	35.8	--	466	--	--	<0.19	0.17
FSW 586-0078	6/15/1996	0.51	--	36.7	--	574	--	--	<0.19	0.15
FSW 586-0088	6/15/1996	0.36	--	35.6	--	473	--	--	<0.19	0.11
FSW 586-0098	6/15/1996	<1.85	--	32.2	--	394	--	--	<0.19	<0.10
FSW 586-0113	6/15/1996	<1.85	--	31.7	--	322	--	--	<0.19	<0.10
FSW 586-0128	6/15/1996	0.16	--	8.5	--	109	--	--	<0.19	<0.10

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
FSW 586-0128-D	6/15/1996	<1.85	--	8.7	--	110	--	--	<0.19	<0.10
FSW 586-0143	6/15/1996	0.07	--	1.2	--	74	--	--	<0.19	<0.10
FSW 586-0058	11/22/1996	2.35	<0.67	11.9	--	343	<0.40	--	<0.19	0.30
FSW 586-0068	11/22/1996	<1.85	<0.67	29.1	--	530	<0.40	--	<0.19	0.11
FSW 586-0078	11/22/1996	<1.85	<0.67	29.6	--	457	<0.40	--	<0.19	0.10
FSW 586-0088	11/22/1996	<1.85	<0.67	36.6	--	379	<0.40	--	<0.19	0.10
FSW 586-0098	11/22/1996	<1.85	<0.67	35.0	--	387	<0.40	--	<0.19	<0.10
FSW 586-0113	11/22/1996	<1.85	<0.67	13.2	--	86	<0.40	--	<0.19	<0.10
FSW 586-0113-D	11/22/1996	<1.85	<0.67	13.2	--	98	<0.40	--	<0.19	<0.10
FSW 586-0128	11/22/1996	<1.85	<0.67	1.7	--	25	<0.40	--	<0.19	<0.10
FSW 586-0143	11/22/1996	<1.85	<0.67	1.1	--	107	<0.40	--	<0.19	<0.10
FSW 586-0058	3/6/1997	2.06	--	13.4	--	159	--	--	<0.19	0.50
FSW 586-0068	3/6/1997	<1.85	--	25.9	--	259	--	--	<0.19	0.19
FSW 586-0078	3/6/1997	<1.85	--	28.9	--	307	--	--	<0.19	0.13
FSW 586-0088	3/6/1997	<1.85	--	31.9	--	340	--	--	<0.19	0.13
FSW 586-0098	3/6/1997	<1.85	--	12.9	--	131	--	--	<0.19	<0.10
FSW 586-0098-D	3/6/1997	<1.85	--	13.0	--	135	--	--	<0.19	<0.10
FSW 586-0113	3/6/1997	<1.85	--	4.3	--	198	--	--	<0.19	<0.10
FSW 586-0128	3/6/1997	<1.85	--	1.0	--	66	--	--	0.32	<0.10
FSW 586-0143	3/6/1997	<1.85	--	1.5	--	113	--	--	<0.19	<0.10
FSW 586-0058	6/10/1997	<1.85	--	9.6	--	264	--	--	<0.19	0.29
FSW 586-0068	6/10/1997	<1.85	--	13.6	--	225	--	--	<0.19	0.13
FSW 586-0078	6/10/1997	<1.85	--	15.1	--	246	--	--	<0.19	0.10

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
FSW 586-0088	6/10/1997	<1.85	--	26.0	--	180	--	--	<0.19	0.12
FSW 586-0098	6/10/1997	<1.85	--	7.9	--	159	--	--	<0.19	<0.10
FSW 586-0113	6/10/1997	<1.85	--	2.6	--	151	--	--	<0.19	<0.10
FSW 586-0128	6/10/1997	<1.85	--	1.0	--	81	--	--	<0.19	<0.10
FSW 586-0143	6/10/1997	<1.85	--	1.3	--	102	--	--	<0.19	<0.10
FSW 586-0143-D	6/10/1997	<1.85	--	1.6	--	100	--	--	<0.19	<0.10
FSW 586-0058	8/26/1997	<1.85	<0.67	10.1	--	133	<0.40	--	<0.19	0.38
FSW 586-0068	8/26/1997	<1.85	<0.67	11.9	--	457	<0.40	--	<0.19	<0.10
FSW 586-0078	8/26/1997	<1.85	<0.67	8.9	--	410	<0.40	--	<0.19	<0.10
FSW 586-0088	8/26/1997	<1.85	<0.67	11.9	--	120	<0.40	--	<0.19	0.13
FSW 586-0088-D	8/26/1997	<1.85	<0.67	11.5	--	127	<0.40	--	<0.19	<0.10
FSW 586-0098	8/26/1997	<1.85	<0.67	8.4	--	115	<0.40	--	<0.19	<0.10
FSW 586-0113	8/26/1997	<1.85	<0.67	2.6	--	154	<0.40	--	<0.19	<0.10
FSW 586-0128	8/26/1997	<1.85	<0.67	1.2	--	79	<0.40	--	<0.19	<0.10
FSW 586-0143	8/26/1997	<1.85	<0.67	1.3	--	89	<0.40	--	<0.19	<0.10
FSW 586-0058	11/6/1997	<1.85	<0.67	9.4	--	200	<0.40	--	<0.19	0.33
FSW 586-0068	11/6/1997	<1.85	<0.67	9.3	--	212	<0.40	--	<0.19	0.12
FSW 586-0078	11/6/1997	<1.85	<0.67	7.6	--	285	<0.40	--	<0.19	<0.10
FSW 586-0078-D	11/6/1997	<1.85	<0.67	6.8	--	283	<0.40	--	<0.19	<0.10
FSW 586-0088	11/6/1997	<1.85	<0.67	7.1	--	258	<0.40	--	<0.19	<0.10
FSW 586-0098	11/7/1997	<1.85	<0.67	5.7	--	244	<0.40	--	<0.19	<0.10
FSW 586-0113	11/7/1997	<1.85	<0.67	1.9	--	110	<0.40	--	<0.19	<0.10
FSW 586-0128	11/7/1997	<1.85	<0.67	1.2	--	76	<0.40	--	<0.19	<0.10
FSW 586-0143	11/7/1997	<1.85	<0.67	1.4	--	84	<0.40	--	<0.19	<0.10

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
FSW 586-0058	7/9/1998	<1.85	<0.67	6.2	--	251	<0.40	--	<0.19	0.36
FSW 586-0068	7/9/1998	<1.85	<0.67	6.1	--	225	<0.40	--	<0.19	<0.10
FSW 586-0078	7/9/1998	<1.85	<0.67	4.0	--	337	<0.40	--	<0.19	<0.10
FSW 586-0088	7/9/1998	<1.85	<0.67	4.6	--	242	<0.40	--	<0.19	<0.10
FSW 586-0088-D	7/9/1998	<1.85	<0.67	5.2	--	233	<0.40	--	<0.19	<0.10
FSW 586-0098	7/9/1998	<1.85	<0.67	2.3	--	151	<0.40	--	<0.19	<0.10
FSW 586-0113	7/9/1998	<1.85	<0.67	0.9	--	135	<0.40	--	<0.19	<0.10
FSW 586-0128	7/9/1998	<1.85	<0.67	0.3	--	100	<0.40	--	<0.19	<0.10
FSW 586-0143	7/9/1998	<1.85	<0.67	0.8	--	80	<0.40	--	<0.19	<0.10
FSW 586-0058	11/19/1998	<1.85	<0.67	5.0	--	198	<0.40	<0.02	<0.19	0.34
FSW 586-0068	11/19/1998	<1.85	<0.67	5.9	--	374	<0.40	<0.02	<0.19	<0.10
FSW 586-0078	11/19/1998	<1.85	<0.67	3.7	--	455	<0.40	<0.02	<0.19	<0.10
FSW 586-0078-D	11/19/1998	<1.85	<0.67	3.7	--	451	<0.40	<0.02	<0.19	<0.10
FSW 586-0088	11/19/1998	<1.85	<0.67	4.7	--	270	<0.40	<0.02	<0.19	<0.10
FSW 586-0098	11/19/1998	<1.85	<0.67	2.2	--	171	<0.40	<0.02	<0.19	<0.10
FSW 586-0113	11/19/1998	<1.85	<0.67	1.4	--	325	<0.40	<0.02	<0.19	<0.10
FSW 586-0128	11/19/1998	4.08	<0.67	1.3	--	124	<0.40	<0.02	<0.19	<0.10
FSW 586-0143	11/19/1998	<1.85	<0.67	0.9	--	71	<0.40	<0.02	<0.19	<0.10
FSW 586-0058	7/12/1999	2.32	<0.67	4.6	--	245	<0.40	--	<0.19	0.37
FSW 586-0068	7/12/1999	<1.85	<0.67	4.8	--	333	<0.40	--	<0.19	0.13
FSW 586-0078	7/12/1999	<1.85	<0.67	3.1	--	511	<0.40	--	<0.19	<0.10
FSW 586-0088	7/12/1999	<1.85	<0.67	4.0	--	319	<0.40	--	<0.19	<0.10
FSW 586-0098	7/12/1999	<1.85	<0.67	2.5	--	297	<0.40	--	<0.19	<0.10

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
FSW 586-0113	7/12/1999	<1.85	<0.67	1.7	--	290	<0.40	--	<0.19	<0.10
FSW 586-0128	7/12/1999	<1.85	<0.67	1.2	--	80	<0.40	--	<0.19	<0.10
FSW 586-0143	7/12/1999	<1.85	<0.67	1.7	--	73	<0.40	--	<0.19	<0.10
FSW 586-0058	6/21/2000	2.54	<0.11	3.7	0.0238	180	<0.009	0.07	<0.19	0.30
FSW 586-0068	6/21/2000	<1.85	<0.11	4.0	0.1208	282	<0.009	0.03	<0.19	0.06
FSW 586-0078	6/21/2000	<1.85	0.11	2.6	0.0316	348	<0.009	<0.02	<0.19	<0.03
FSW 586-0078	6/21/2000	<1.85	<0.11	2.5	0.0304	350	<0.009	<0.02	<0.19	<0.03
FSW 586-0088	6/21/2000	<1.85	0.11	3.4	0.0576	496	<0.009	0.03	<0.19	<0.03
FSW 586-0098	6/21/2000	<1.85	<0.11	2.7	0.0416	229	<0.009	0.04	<0.19	<0.03
FSW 586-0113	6/21/2000	<1.85	<0.11	1.5	0.0316	144	<0.009	<0.02	<0.19	<0.03
FSW 586-0128	6/21/2000	<1.85	<0.11	1.0	0.0314	78	<0.009	<0.02	<0.19	<0.03
FSW 586-0143	6/21/2000	<1.85	<0.11	1.3	0.0235	73	<0.009	<0.02	<0.19	<0.03
FSW 586-0058	7/31/2002	2.32	<0.11	2.8	0.0232	229	<0.009	0.08	<0.19	0.29
FSW 586-0058-D	7/31/2002	2.32	0.11	2.8	0.0229	235	<0.009	0.08	<0.19	0.30
FSW 586-0068	7/31/2002	<1.85	<0.11	2.3	0.0519	272	<0.009	<0.02	<0.19	0.04
FSW 586-0078	7/31/2002	<1.85	<0.11	2.9	0.0209	198	<0.009	<0.02	<0.19	<0.03
FSW 586-0088	7/31/2002	<1.85	0.16	3.5	0.0393	351	<0.009	0.07	<0.19	<0.03
FSW 586-0098	7/31/2002	<1.85	0.13	3.7	0.0390	330	<0.009	0.11	<0.19	<0.03
FSW 586-0113	7/31/2002	<1.85	<0.11	1.7	0.0218	78	<0.009	<0.02	<0.19	<0.03
FSW 586-0128	7/31/2002	<1.85	<0.11	1.1	0.0304	81	<0.009	<0.02	<0.19	<0.03
FSW 586-0143	7/31/2002	<1.85	<0.11	1.0	0.0226	64	<0.009	<0.02	<0.19	<0.03
FSW 586-0058	8/2/2004	<1.85	<0.11	2.3	0.0206	229	<0.009	0.06	<0.19	0.29
FSW 586-0068	8/2/2004	<1.85	<0.11	1.8	0.0373	313	<0.009	<0.02	<0.19	0.04

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
FSW 586-0078	8/2/2004	<1.85	<0.11	2.2	0.0880	241	<0.009	<0.02	<0.19	<0.03
FSW 586-0088	8/2/2004	<1.85	<0.11	3.2	0.1678	171	<0.009	0.03	<0.19	<0.03
FSW 586-0098	8/2/2004	<1.85	<0.11	2.7	0.0106	113	<0.009	0.04	<0.19	<0.03
FSW 586-0113	8/2/2004	<1.85	<0.11	1.3	0.0568	201	<0.009	<0.02	<0.19	<0.03
FSW 586-0128	8/2/2004	<1.85	<0.11	2.7	1.3512	105	<0.009	<0.02	<0.19	<0.03
FSW 586-0143	8/2/2004	<1.85	<0.11	1.1	0.0189	78	<0.009	<0.02	<0.19	<0.03
FSW 586-0143-D	8/2/2004	<1.85	<0.11	1.8	0.5936	81	<0.009	<0.02	<0.19	<0.03
SDW 436-M01-02GNT	7/12/2002	12.35	<0.11	1.5	0.0334	218	<0.009	0.05	<0.19	0.34
SDW 436-M01-03RT	7/12/2002	7.67	<0.11	1.6	0.0355	259	<0.009	0.03	<0.19	0.30
SDW 436-M01-04BUT	7/12/2002	4.73	<0.11	1.5	0.0371	277	<0.009	0.03	<0.19	0.16
SDW 436-M01-05BKT	7/12/2002	3.10	<0.11	1.1	0.0290	165	<0.009	<0.02	<0.19	0.08
SDW 436-M01-06WT	7/12/2002	3.61	<0.11	1.2	0.0371	141	<0.009	0.03	<0.19	0.07
SDW 436-M01-07O	7/12/2002	3.86	<0.11	1.4	0.0382	100	<0.009	0.05	<0.19	0.04
SDW 436-M01-07O-D	7/12/2002	4.06	<0.11	1.5	0.0398	104	<0.009	0.04	<0.19	0.05
SDW 436-M01-08GY	7/12/2002	1.77	<0.11	1.9	0.0291	68	<0.009	0.04	<0.19	0.04
SDW 436-M01-09Y	7/12/2002	<1.85	<0.11	2.4	0.0323	59	<0.009	0.04	<0.19	0.05
SDW 436-M01-10P	7/12/2002	<1.85	<0.11	2.7	0.0446	63	<0.009	0.06	<0.19	0.03
SDW 436-M01-11GN	7/12/2002	<1.85	<0.11	1.5	0.0606	73	<0.009	<0.02	<0.19	<0.03
SDW 436-M01-12R	7/12/2002	<1.85	<0.11	0.8	0.0524	103	<0.009	<0.02	<0.19	<0.03
SDW 436-M01-13BU	7/12/2002	<1.85	<0.11	0.8	0.0399	42	<0.009	<0.02	<0.19	<0.03
SDW 436-M01-14BK	7/12/2002	<1.85	<0.11	0.8	0.0299	65	<0.009	<0.02	<0.19	<0.03
SDW 436-M01-15W	7/12/2002	<1.85	<0.11	1.5	0.0325	97	<0.009	<0.02	<0.19	<0.03
SDW 436-M01-01PT	5/27/2003	13.67	<0.11	2.8	0.0734	266	<0.009	<0.02	<0.19	0.36
SDW 436-M01-02GNT	5/27/2003	18.87	<0.11	3.3	0.0256	271	0.011	0.06	<0.19	1.97

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
SDW 436-M01-02GNT-D	5/27/2003	19.21	<0.11	3.2	0.0260	276	0.011	0.06	<0.19	2.03
SDW 436-M01-03RT	5/27/2003	7.92	<0.11	1.7	0.0114	286	0.011	<0.02	<0.19	0.85
SDW 436-M01-04BUT	5/27/2003	5.87	<0.11	2.0	0.0114	323	<0.009	<0.02	<0.19	0.25
SDW 436-M01-05BKT	5/27/2003	8.32	<0.11	1.8	0.0293	231	<0.009	<0.02	<0.19	0.13
SDW 436-M01-06WT	5/27/2003	5.95	<0.11	1.2	0.0208	147	<0.009	0.03	<0.19	0.09
SDW 436-M01-07O	5/27/2003	4.70	<0.11	1.3	0.0128	105	<0.009	0.05	<0.19	0.07
SDW 436-M01-08GY	5/27/2003	<1.85	<0.11	1.8	0.0161	68	<0.009	0.04	<0.19	<0.03
SDW 436-M01-09Y	5/27/2003	<1.85	<0.11	1.7	0.0099	56	<0.009	0.04	<0.19	<0.03
SDW 436-M01-10P	5/27/2003	<1.85	<0.11	1.8	0.0156	85	<0.009	0.09	<0.19	<0.03
SDW 436-M01-11GN	5/27/2003	<1.85	<0.11	1.1	0.0596	119	<0.009	<0.02	<0.19	<0.03
SDW 436-M01-12R	5/27/2003	<1.85	<0.11	<0.46	0.0984	163	<0.009	<0.02	<0.19	<0.03
SDW 436-M01-13BU	5/27/2003	<1.85	<0.11	<0.46	0.0824	108	<0.009	<0.02	<0.19	<0.03
SDW 436-M01-13BU-D	5/27/2003	<1.85	<0.11	<0.46	0.0824	107	<0.009	<0.02	<0.19	<0.03
SDW 436-M01-14BK	5/27/2003	<1.85	<0.11	0.9	0.0232	70	<0.009	<0.02	<0.19	<0.03
SDW 436-M01-15W	5/27/2003	<1.85	<0.11	1.0	0.0166	67	<0.009	<0.02	<0.19	<0.03
SDW 436-M01-01PT	8/26/2004	<1.85	<0.11	2.5	0.1367	191	<0.009	<0.02	<0.19	0.61
SDW 436-M01-02GNT	8/26/2004	7.68	<0.11	4.7	1.3061	167	<0.009	<0.02	<0.19	1.15
SDW 436-M01-02GNT-X	8/26/2004	3.83	<0.11	2.4	0.0023	11	<0.009	<0.02	<0.19	0.48
SDW 436-M01-03RT	8/26/2004	5.39	<0.11	2.3	0.1925	213	<0.009	<0.02	<0.19	0.77
SDW 436-M01-04BUT	8/26/2004	<1.85	<0.11	2.3	0.5250	207	<0.009	<0.02	<0.19	0.23
SDW 436-M01-04BUT-X	8/26/2004	<1.85	<0.11	1.7	<0.0007	4	<0.009	<0.02	<0.19	0.08
SDW 436-M01-05BKT	8/26/2004	31.41	<0.11	5.7	0.7058	199	<0.009	<0.02	<0.19	0.17
SDW 436-M01-06WT	8/26/2004	4.45	<0.11	1.5	0.1506	190	<0.009	0.04	<0.19	0.20
SDW 436-M01-06WT-D	8/26/2004	<1.85	<0.11	2.8	0.7835	196	<0.009	0.04	<0.19	0.19
SDW 436-M01-07O	8/26/2004	3.23	<0.11	1.9	0.2105	104	<0.009	0.04	<0.19	0.13

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
SDW 436-M01-08GY	8/26/2004	<1.85	<0.11	1.9	0.1277	70	<0.009	0.04	<0.19	0.06
SDW 436-M01-09Y	8/26/2004	<1.85	<0.11	2.6	0.2123	55	<0.009	0.04	<0.19	0.06
SDW 436-M01-10P	8/26/2004	<1.85	<0.11	2.0	0.0411	100	<0.009	<0.02	<0.19	0.04
SDW 436-M01-11GN	8/26/2004	<1.85	<0.11	3.7	0.8473	218	<0.009	<0.02	<0.19	<0.03
SDW 436-M01-12R	8/26/2004	<1.85	<0.11	2.3	1.1083	178	0.010	<0.02	<0.19	<0.03
SDW 436-M01-13BU	8/26/2004	<1.85	<0.11	0.7	0.1647	168	<0.009	<0.02	<0.19	<0.03
SDW 436-M01-14BK	8/26/2004	<1.85	<0.11	0.9	0.0877	167	<0.009	<0.02	<0.19	<0.03
SDW 436-M01-15W	8/26/2004	<1.85	<0.11	2.0	1.0269	70	<0.009	<0.02	<0.19	<0.03
SDW 469-M01-01PT	9/27/1995	--	--	--	--	--	--	--	--	--
SDW 469-M01-02GNT	9/27/1995	11.91	--	32.8	--	519	--	--	<0.19	0.91
SDW 469-M01-03RT	9/27/1995	7.71	--	32.2	--	495	--	--	<0.19	1.01
SDW 469-M01-04BUT	9/27/1995	4.73	--	34.8	--	662	--	--	<0.19	0.66
SDW 469-M01-05BKT	9/27/1995	5.20	--	34.7	--	315	--	--	<0.19	1.17
SDW 469-M01-06WT	9/27/1995	4.46	--	25.4	--	423	--	--	<0.19	0.66
SDW 469-M01-07O	9/27/1995	<1.85	--	34.8	--	543	--	--	<0.19	0.56
SDW 469-M01-08GY	9/27/1995	<1.85	--	33.7	--	550	--	--	<0.19	<0.10
SDW 469-M01-09Y	9/27/1995	<1.85	--	33.0	--	340	--	--	<0.19	<0.10
SDW 469-M01-10P	9/27/1995	<1.85	--	32.2	--	357	--	--	<0.19	<0.10
SDW 469-M01-11GN	9/27/1995	<1.85	--	31.3	--	596	--	--	<0.19	<0.10
SDW 469-M01-12R	9/27/1995	<1.85	--	33.4	--	725	--	--	<0.19	<0.10
SDW 469-M01-13BU	9/27/1995	<1.85	--	9.0	--	260	--	--	<0.19	<0.10
SDW 469-M01-14BK	9/27/1995	<1.85	--	2.5	--	93	--	--	<0.19	<0.10
SDW 469-M01-15W	9/27/1995	<1.85	--	1.0	--	80	--	--	<0.19	<0.10
SDW 469-M01-01PT	11/28/1995	--	--	--	--	--	--	--	--	--

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
SDW 469-M01-02GNT	11/28/1995	11.91	--	27.6	--	577	--	--	<0.19	1.05
SDW 469-M01-03RT	11/28/1995	8.00	--	29.4	--	695	--	--	<0.19	1.10
SDW 469-M01-03RT-R	11/28/1995	7.50	--	29.3	--	674	--	--	<0.19	1.03
SDW 469-M01-03RT-X	11/28/1995	<1.85	--	28.9	--	8	--	--	<0.19	<0.10
SDW 469-M01-04BUT	11/28/1995	3.37	--	30.1	--	480	--	--	<0.19	1.28
SDW 469-M01-05BKT	11/28/1995	5.92	--	35.9	--	424	--	--	<0.19	1.35
SDW 469-M01-06WT	11/28/1995	4.31	--	35.6	--	333	--	--	<0.19	1.31
SDW 469-M01-06WT-R	11/28/1995	4.09	--	36.2	--	322	--	--	<0.19	1.25
SDW 469-M01-06WT-X	11/28/1995	<1.85	--	36.4	--	11	--	--	<0.19	0.91
SDW 469-M01-07O	11/28/1995	<1.85	--	36.7	--	340	--	--	<0.19	0.89
SDW 469-M01-08GY	11/28/1995	<1.85	--	41.0	--	426	--	--	<0.19	0.38
SDW 469-M01-09Y	11/28/1995	<1.85	--	35.8	--	433	--	--	<0.19	0.20
SDW 469-M01-10P	11/28/1995	<1.85	--	38.3	--	369	--	--	<0.19	0.19
SDW 469-M01-11GN	11/28/1995	<1.85	--	37.3	--	417	--	--	<0.19	0.20
SDW 469-M01-11GN-D	11/28/1995	<1.85	--	37.5	--	418	--	--	<0.19	0.21
SDW 469-M01-12R	11/28/1995	<1.85	--	37.7	--	551	--	--	<0.19	0.16
SDW 469-M01-12R-R	11/28/1995	<1.85	--	37.1	--	538	--	--	<0.19	0.18
SDW 469-M01-12R-X	11/28/1995	<1.85	--	36.5	--	235	--	--	<0.19	0.15
SDW 469-M01-13BU	11/28/1995	<1.85	--	28.4	--	320	--	--	<0.19	0.11
SDW 469-M01-14BK	11/28/1995	<1.85	--	2.0	--	87	--	--	<0.19	<0.10
SDW 469-M01-15W	11/28/1995	<1.85	--	1.9	--	78	--	--	<0.19	<0.10
SDW 469-M01-01PT	1/25/1996	--	--	--	--	--	--	--	--	--
SDW 469-M01-02GNT	1/25/1996	9.54	--	23.6	--	621	--	--	<0.19	0.99
SDW 469-M01-02GNT-D	1/25/1996	9.34	--	23.8	--	590	--	--	<0.19	0.79
SDW 469-M01-03RT	1/25/1996	5.90	--	20.7	--	489	--	--	<0.19	1.13

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
SDW 469-M01-03RT-X	1/25/1996	4.17	--	20.7	--	383	--	--	<0.19	0.85
SDW 469-M01-04BUT	1/25/1996	3.61	--	27.1	--	486	--	--	<0.19	1.35
SDW 469-M01-05BKT	1/25/1996	5.56	--	28.1	--	472	--	--	<0.19	1.16
SDW 469-M01-06WT	1/25/1996	3.00	--	29.7	--	372	--	--	<0.19	0.82
SDW 469-M01-06WT-X	1/25/1996	2.37	--	28.7	--	303	--	--	<0.19	0.60
SDW 469-M01-07O	1/25/1996	<1.85	--	30.0	--	376	--	--	<0.19	0.66
SDW 469-M01-08GY	1/25/1996	<1.85	--	33.6	--	457	--	--	<0.19	0.19
SDW 469-M01-09Y	1/25/1996	<1.85	--	36.8	--	443	--	--	<0.19	0.14
SDW 469-M01-10P	1/25/1996	<1.85	--	37.8	--	391	--	--	<0.19	0.10
SDW 469-M01-11GN	1/25/1996	<1.85	--	36.0	--	424	--	--	<0.19	0.11
SDW 469-M01-11GN-D	1/25/1996	<1.85	--	36.5	--	408	--	--	<0.19	<0.10
SDW 469-M01-12R	1/25/1996	<1.85	--	32.2	--	405	--	--	<0.19	0.17
SDW 469-M01-12R-X	1/25/1996	<1.85	--	32.1	--	287	--	--	<0.19	0.17
SDW 469-M01-13BU	1/25/1996	<1.85	--	13.9	--	293	--	--	<0.19	<0.10
SDW 469-M01-14BK	1/25/1996	<1.85	--	3.5	--	59	--	--	<0.19	<0.10
SDW 469-M01-15W	1/25/1996	<1.85	--	1.3	--	102	--	--	<0.19	<0.10
SDW 469-M01-01PT	3/21/1996	--	--	--	--	--	--	--	--	--
SDW 469-M01-02GNT	3/21/1996	7.72	--	16.4	--	287	--	--	<0.19	0.81
SDW 469-M01-03RT	3/21/1996	5.74	--	19.4	--	379	--	--	<0.19	0.93
SDW 469-M01-03RT-D	3/21/1996	6.88	--	20.5	--	395	--	--	<0.19	1.14
SDW 469-M01-03RT-X	3/21/1996	2.28	--	19.2	--	10	--	--	<0.19	0.63
SDW 469-M01-04BUT	3/21/1996	5.24	--	25.3	--	492	--	--	<0.19	1.15
SDW 469-M01-05BKT	3/21/1996	6.66	--	25.2	--	467	--	--	<0.19	0.91
SDW 469-M01-06WT	3/21/1996	2.92	--	27.7	--	334	--	--	<0.19	0.66
SDW 469-M01-06WT-X	3/21/1996	<1.85	--	28.2	--	7	--	--	<0.19	0.43

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
SDW 469-M01-07O	3/21/1996	<1.85	--	29.9	--	30	--	--	<0.19	0.42
SDW 469-M01-08GY	3/21/1996	<1.85	--	31.4	--	413	--	--	<0.19	0.12
SDW 469-M01-09Y	3/21/1996	<1.85	--	31.9	--	456	--	--	<0.19	<0.10
SDW 469-M01-10P	3/21/1996	<1.85	--	31.9	--	467	--	--	<0.19	<0.10
SDW 469-M01-11GN	3/21/1996	<1.85	--	33.9	--	425	--	--	<0.19	<0.10
SDW 469-M01-12R	3/21/1996	<1.85	--	13.7	--	390	--	--	<0.19	<0.10
SDW 469-M01-12R-D	3/21/1996	<1.85	--	14.7	--	408	--	--	<0.19	0.13
SDW 469-M01-12R-X	3/21/1996	<1.85	--	14.9	--	131	--	--	<0.19	0.11
SDW 469-M01-13BU	3/21/1996	<1.85	--	6.1	--	137	--	--	<0.19	<0.10
SDW 469-M01-14BK	3/21/1996	<1.85	--	2.0	--	76	--	--	<0.19	<0.10
SDW 469-M01-15W	3/21/1996	<1.85	--	0.8	--	51	--	--	<0.19	<0.10
SDW 469-M01-01PT	5/15/1996	10.33	--	11.3	--	186	--	--	<0.19	0.91
SDW 469-M01-02GNT	5/15/1996	6.57	--	20.6	--	398	--	--	<0.19	0.78
SDW 469-M01-03RT	5/15/1996	6.64	--	25.0	--	418	--	--	<0.19	0.91
SDW 469-M01-03RT-X	5/15/1996	3.25	--	25.3	--	70	--	--	<0.19	0.71
SDW 469-M01-04BUT	5/15/1996	7.24	--	29.8	--	535	--	--	<0.19	1.34
SDW 469-M01-05BKT	5/15/1996	5.94	--	32.5	--	615	--	--	<0.19	1.12
SDW 469-M01-05BKT-D	5/15/1996	6.00	--	32.7	--	623	--	--	<0.19	1.13
SDW 469-M01-06WT	5/15/1996	2.59	--	31.2	--	397	--	--	<0.19	0.75
SDW 469-M01-06WT-X	5/15/1996	<1.85	--	30.0	--	4	--	--	<0.19	0.42
SDW 469-M01-07O	5/15/1996	<1.85	--	32.3	--	257	--	--	<0.19	0.52
SDW 469-M01-08GY	5/15/1996	<1.85	--	33.5	--	556	--	--	<0.19	0.10
SDW 469-M01-09Y	5/15/1996	<1.85	--	26.9	--	306	--	--	<0.19	0.11
SDW 469-M01-10P	5/15/1996	<1.85	--	20.8	--	300	--	--	<0.19	<0.10
SDW 469-M01-11GN	5/15/1996	<1.85	--	21.7	--	394	--	--	<0.19	<0.10

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
SDW 469-M01-12R	5/15/1996	<1.85	--	7.1	--	202	--	--	<0.19	<0.10
SDW 469-M01-12R-X	5/15/1996	<1.85	--	6.9	--	3	--	--	<0.19	<0.10
SDW 469-M01-13BU	5/15/1996	<1.85	--	3.9	--	106	--	--	<0.19	<0.10
SDW 469-M01-14BK	5/15/1996	<1.85	--	1.3	--	67	--	--	<0.19	<0.10
SDW 469-M01-14BK-D	5/15/1996	<1.85	--	1.4	--	64	--	--	<0.19	<0.10
SDW 469-M01-15W	5/15/1996	<1.85	--	1.1	--	59	--	--	<0.19	<0.10
SDW 469-M01-01PT	7/25/1996	10.00	--	20.0	--	417	--	--	<0.19	0.71
SDW 469-M01-02GNT	7/25/1996	5.62	--	13.3	--	266	--	--	<0.19	0.70
SDW 469-M01-03RT	7/25/1996	5.77	--	11.6	--	232	--	--	<0.19	0.71
SDW 469-M01-03RT-X	7/25/1996	<1.85	--	11.1	--	5	--	--	<0.19	0.35
SDW 469-M01-04BUT	7/25/1996	5.67	--	12.4	--	296	--	--	<0.19	0.77
SDW 469-M01-05BKT	7/25/1996	3.28	--	17.7	--	352	--	--	<0.19	0.81
SDW 469-M01-05BKT-D	7/25/1996	2.93	--	15.0	--	309	--	--	<0.19	0.71
SDW 469-M01-06WT	7/25/1996	<1.85	--	22.6	--	285	--	--	<0.19	0.61
SDW 469-M01-06WT-X	7/25/1996	<1.85	--	23.5	--	3	--	--	<0.19	0.40
SDW 469-M01-07O	7/25/1996	<1.85	--	12.6	--	158	--	--	<0.19	0.26
SDW 469-M01-08GY	7/25/1996	<1.85	--	19.7	--	267	--	--	<0.19	<0.10
SDW 469-M01-09Y	7/25/1996	<1.85	--	12.7	--	263	--	--	<0.19	<0.10
SDW 469-M01-10P	7/25/1996	<1.85	--	4.3	--	237	--	--	<0.19	<0.10
SDW 469-M01-11GN	7/25/1996	<1.85	--	5.5	--	231	--	--	<0.19	<0.10
SDW 469-M01-12R	7/25/1996	<1.85	--	4.0	--	209	--	--	<0.19	<0.10
SDW 469-M01-12R-X	7/25/1996	<1.85	--	4.2	--	3	--	--	<0.19	<0.10
SDW 469-M01-13BU	7/25/1996	<1.85	--	1.8	--	114	--	--	<0.19	<0.10
SDW 469-M01-14BK	7/25/1996	<1.85	--	0.7	--	55	--	--	<0.19	<0.10
SDW 469-M01-14BK-D	7/25/1996	<1.85	--	1.3	--	59	--	--	<0.19	<0.10

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
SDW 469-M01-15W	7/25/1996	<1.85	--	0.7	--	67	--	--	<0.19	<0.10
SDW 469-M01-01PT	11/6/1996	7.43	<0.67	7.9	--	170	<0.40	--	<0.19	0.76
SDW 469-M01-01PT-D	11/6/1996	6.08	<0.67	7.3	--	154	<0.40	--	<0.19	0.62
SDW 469-M01-02GNT	11/6/1996	7.00	<0.67	20.3	--	694	<0.40	--	<0.19	0.75
SDW 469-M01-03RT	11/6/1996	7.08	<0.67	7.5	--	173	<0.40	--	<0.19	0.73
SDW 469-M01-03RT-X	11/6/1996	3.68	<0.67	7.1	--	41	<0.40	--	<0.19	0.62
SDW 469-M01-04BUT	11/6/1996	5.80	<0.67	11.8	--	311	<0.40	--	<0.19	0.86
SDW 469-M01-05BKT	11/6/1996	2.71	<0.67	15.7	--	451	<0.40	--	<0.19	0.49
SDW 469-M01-06WT	11/6/1996	<1.85	<0.67	13.5	--	717	<0.40	--	<0.19	0.29
SDW 469-M01-06WT-X	11/6/1996	<1.85	<0.67	12.9	--	425	<0.40	--	<0.19	0.23
SDW 469-M01-07O	11/6/1996	<1.85	<0.67	14.3	--	200	<0.40	--	<0.19	0.28
SDW 469-M01-08GY	11/6/1996	<1.85	<0.67	8.2	--	414	<0.40	--	<0.19	<0.10
SDW 469-M01-09Y	11/6/1996	<1.85	<0.67	4.4	--	336	<0.40	--	<0.19	<0.10
SDW 469-M01-10P	11/6/1996	<1.85	<0.67	4.5	--	243	<0.40	--	<0.19	<0.10
SDW 469-M01-10P-D	11/6/1996	<1.85	<0.67	4.1	--	233	<0.40	--	<0.19	<0.10
SDW 469-M01-11GN	11/6/1996	<1.85	<0.67	3.6	--	252	<0.40	--	<0.19	<0.10
SDW 469-M01-12R	11/6/1996	<1.85	<0.67	2.0	--	165	<0.40	--	<0.19	<0.10
SDW 469-M01-12R-X	11/6/1996	<1.85	<0.67	2.2	--	105	<0.40	--	<0.19	<0.10
SDW 469-M01-13BU	11/6/1996	<1.85	<0.67	1.5	--	70	<0.40	--	<0.19	<0.10
SDW 469-M01-14BK	11/6/1996	<1.85	<0.67	0.9	--	48	<0.40	--	<0.19	<0.10
SDW 469-M01-15W	11/6/1996	<1.85	<0.67	0.9	--	75	<0.40	--	<0.19	<0.10
SDW 469-M01-01PT	2/3/1997	8.19	<0.67	16.7	--	204	<0.40	--	<0.19	1.12
SDW 469-M01-02GNT	2/3/1997	4.75	<0.67	8.5	--	231	<0.40	--	<0.19	0.67
SDW 469-M01-03RT	2/3/1997	9.22	<0.67	10.1	--	271	<0.40	--	<0.19	0.73

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
SDW 469-M01-03RT-X	2/3/1997	<1.85	<0.67	9.8	--	1	<0.40	--	<0.19	0.29
SDW 469-M01-04BUT	2/3/1997	4.55	<0.67	10.7	--	187	<0.40	--	<0.19	0.65
SDW 469-M01-05BKT	2/3/1997	2.16	<0.67	18.2	--	350	<0.40	--	<0.19	0.45
SDW 469-M01-05BKT-D	2/3/1997	2.55	<0.67	18.4	--	364	<0.40	--	<0.19	0.47
SDW 469-M01-06WT	2/3/1997	<1.85	<0.67	16.2	--	411	<0.40	--	<0.19	0.27
SDW 469-M01-06WT-X	2/3/1997	<1.85	<0.67	15.5	--	2	<0.40	--	<0.19	0.14
SDW 469-M01-07O	2/3/1997	<1.85	<0.67	21.3	--	444	<0.40	--	<0.19	0.17
SDW 469-M01-08GY	2/3/1997	<1.85	<0.67	7.8	--	351	<0.40	--	<0.19	<0.10
SDW 469-M01-09Y	2/3/1997	<1.85	<0.67	4.2	--	328	<0.40	--	<0.19	<0.10
SDW 469-M01-10P	2/3/1997	<1.85	<0.67	4.2	--	256	<0.40	--	<0.19	<0.10
SDW 469-M01-11GN	2/3/1997	<1.85	<0.67	3.7	--	241	<0.40	--	<0.19	<0.10
SDW 469-M01-12R	2/3/1997	<1.85	<0.67	2.4	--	205	<0.40	--	<0.19	<0.10
SDW 469-M01-12R-X	2/3/1997	<1.85	<0.67	2.3	--	1	<0.40	--	<0.19	<0.10
SDW 469-M01-13BU	2/3/1997	<1.85	<0.67	1.9	--	61	<0.40	--	<0.19	<0.10
SDW 469-M01-14BK	2/3/1997	<1.85	<0.67	1.2	--	50	<0.40	--	<0.19	<0.10
SDW 469-M01-14BK-D	2/3/1997	<1.85	<0.67	0.8	--	52	<0.40	--	<0.19	<0.10
SDW 469-M01-15W	2/3/1997	<1.85	<0.67	1.2	--	71	<0.40	--	0.32	<0.10
SDW 469-M01-01PT	5/12/1997	6.61	--	8.4	--	145	--	--	<0.19	0.86
SDW 469-M01-02GNT	5/12/1997	5.20	--	7.1	--	242	--	--	<0.19	0.67
SDW 469-M01-03RT	5/12/1997	8.03	--	6.5	--	197	--	--	<0.19	0.79
SDW 469-M01-04BUT	5/12/1997	4.20	--	5.8	--	203	--	--	<0.19	0.47
SDW 469-M01-05BKT	5/12/1997	2.57	--	8.7	--	221	--	--	<0.19	0.37
SDW 469-M01-06WT	5/12/1997	2.08	--	7.7	--	258	--	--	<0.19	0.22
SDW 469-M01-06WT-X	5/12/1997	<1.85	--	7.4	--	157	--	--	<0.19	0.21
SDW 469-M01-07O	5/12/1997	2.98	--	9.6	--	270	--	--	<0.19	0.17

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
SDW 469-M01-08GY	5/12/1997	<1.85	--	6.1	--	296	--	--	<0.19	<0.10
SDW 469-M01-09Y	5/12/1997	<1.85	--	3.8	--	295	--	--	<0.19	<0.10
SDW 469-M01-09Y-D	5/12/1997	<1.85	--	3.1	--	275	--	--	<0.19	<0.10
SDW 469-M01-10P	5/12/1997	<1.85	--	4.1	--	266	--	--	<0.19	<0.10
SDW 469-M01-11GN	5/12/1997	<1.85	--	3.5	--	287	--	--	<0.19	<0.10
SDW 469-M01-12R	5/12/1997	<1.85	--	2.3	--	217	--	--	<0.19	<0.10
SDW 469-M01-12R-X	5/12/1997	<1.85	--	2.2	--	56	--	--	<0.19	<0.10
SDW 469-M01-13BU	5/12/1997	<1.85	--	1.4	--	82	--	--	<0.19	<0.10
SDW 469-M01-14BK	5/12/1997	<1.85	--	1.1	--	58	--	--	<0.19	<0.10
SDW 469-M01-15W	5/12/1997	<1.85	--	1.2	--	84	--	--	<0.19	<0.10
SDW 469-M01-01PT	8/5/1997	6.21	<0.67	4.6	--	185	<0.40	--	<0.19	0.61
SDW 469-M01-01PT-D	8/5/1997	6.23	<0.67	4.9	--	185	<0.40	--	<0.19	0.58
SDW 469-M01-02GNT	8/5/1997	13.36	<0.67	4.9	--	1006	<0.40	--	<0.19	0.51
SDW 469-M01-03RT	8/5/1997	8.56	<0.67	5.2	--	423	<0.40	--	<0.19	0.71
SDW 469-M01-03RT-X	8/5/1997	<1.85	<0.67	5.6	--	10	<0.40	--	<0.19	0.28
SDW 469-M01-04BUT	8/5/1997	3.86	<0.67	4.2	--	198	<0.40	--	<0.19	0.47
SDW 469-M01-05BKT	8/5/1997	2.83	<0.67	4.7	--	226	<0.40	--	<0.19	0.35
SDW 469-M01-06WT	8/5/1997	2.22	<0.67	3.5	--	233	<0.40	--	<0.19	0.21
SDW 469-M01-06WT-X	8/5/1997	<1.85	<0.67	3.6	--	4	<0.40	--	<0.19	0.14
SDW 469-M01-07O	8/5/1997	<1.85	<0.67	5.5	--	266	<0.40	--	<0.19	0.17
SDW 469-M01-08GY	8/5/1997	<1.85	<0.67	2.6	--	252	<0.40	--	<0.19	<0.10
SDW 469-M01-09Y	8/5/1997	<1.85	<0.67	2.7	--	249	<0.40	--	<0.19	<0.10
SDW 469-M01-10P	8/5/1997	<1.85	<0.67	2.9	--	352	<0.40	--	<0.19	<0.10
SDW 469-M01-10P-D	8/5/1997	<1.85	<0.67	3.3	--	347	<0.40	--	<0.19	<0.10
SDW 469-M01-11GN	8/5/1997	<1.85	<0.67	3.0	--	301	<0.40	--	<0.19	<0.10

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
SDW 469-M01-12R	8/5/1997	<1.85	<0.67	2.5	--	293	<0.40	--	<0.19	<0.10
SDW 469-M01-12R-X	8/5/1997	<1.85	<0.67	2.5	--	5	<0.40	--	<0.19	<0.10
SDW 469-M01-13BU	8/5/1997	<1.85	<0.67	0.7	--	151	<0.40	--	<0.19	<0.10
SDW 469-M01-14BK	8/5/1997	<1.85	<0.67	<0.30	--	49	<0.40	--	<0.19	<0.10
SDW 469-M01-15W	8/5/1997	<1.85	<0.67	1.0	--	88	<0.40	--	<0.19	<0.10
SDW 469-M01-01PT	10/27/1997	5.46	<0.67	7.7	--	232	<0.40	--	<0.19	0.66
SDW 469-M01-01PT-D	10/27/1997	5.45	<0.67	7.0	--	240	<0.40	--	<0.19	0.66
SDW 469-M01-02GNT	10/27/1997	6.48	<0.67	6.0	--	214	<0.40	--	<0.19	0.58
SDW 469-M01-03RT	10/27/1997	6.86	<0.67	4.1	--	174	<0.40	--	<0.19	0.70
SDW 469-M01-03RT-X	10/27/1997	<1.85	<0.67	4.1	--	<0.25	<0.40	--	<0.19	0.35
SDW 469-M01-04BUT	10/27/1997	3.74	<0.67	3.6	--	223	<0.40	--	<0.19	0.38
SDW 469-M01-05BKT	10/27/1997	2.87	<0.67	3.9	--	224	<0.40	--	<0.19	0.24
SDW 469-M01-06WT	10/27/1997	2.57	<0.67	3.1	--	227	<0.40	--	<0.19	0.17
SDW 469-M01-06WT-X	10/27/1997	<1.85	<0.67	3.4	--	<0.25	<0.40	--	<0.19	0.10
SDW 469-M01-07O	10/27/1997	<1.85	<0.67	4.2	--	240	<0.40	--	<0.19	0.12
SDW 469-M01-08GY	10/27/1997	<1.85	<0.67	3.1	--	265	<0.40	--	<0.19	<0.10
SDW 469-M01-09Y	10/27/1997	<1.85	<0.67	2.6	--	281	<0.40	--	<0.19	<0.10
SDW 469-M01-10P	10/27/1997	<1.85	<0.67	2.8	--	235	<0.40	--	<0.19	<0.10
SDW 469-M01-10P-D	10/27/1997	<1.85	<0.67	3.0	--	243	<0.40	--	<0.19	<0.10
SDW 469-M01-11GN	10/27/1997	<1.85	<0.67	2.2	--	155	<0.40	--	<0.19	<0.10
SDW 469-M01-12R	10/27/1997	<1.85	<0.67	1.5	--	145	<0.40	--	<0.19	<0.10
SDW 469-M01-12R-X	10/27/1997	<1.85	<0.67	3.7	--	<0.25	<0.40	--	<0.19	<0.10
SDW 469-M01-13BU	10/27/1997	<1.85	<0.67	1.3	--	129	<0.40	--	<0.19	<0.10
SDW 469-M01-14BK	10/27/1997	<1.85	<0.67	0.7	--	44	<0.40	--	<0.19	<0.10
SDW 469-M01-15W	10/27/1997	<1.85	<0.67	1.4	--	81	<0.40	--	<0.19	<0.10

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
SDW 469-M01-01PT	5/7/1998	5.37	<0.67	4.6	--	197	<0.40	--	<0.19	0.81
SDW 469-M01-02GNT	5/7/1998	7.78	<0.67	3.9	--	274	<0.40	--	<0.19	0.57
SDW 469-M01-03RT	5/7/1998	6.46	<0.67	3.5	--	361	<0.40	--	<0.19	0.46
SDW 469-M01-03RT-X	5/7/1998	2.43	<0.67	3.5	--	25	<0.40	--	<0.19	0.30
SDW 469-M01-04BUT	5/7/1998	4.12	<0.67	2.8	--	272	<0.40	--	<0.19	0.32
SDW 469-M01-05BKT	5/7/1998	3.62	<0.67	3.2	--	249	<0.40	--	<0.19	0.23
SDW 469-M01-06WT	5/7/1998	3.44	<0.67	2.6	--	261	<0.40	--	<0.19	0.14
SDW 469-M01-06WT-X	5/7/1998	<1.85	<0.67	2.4	--	16	<0.40	--	<0.19	<0.10
SDW 469-M01-07O	5/7/1998	<1.85	<0.67	2.9	--	293	<0.40	--	<0.19	<0.10
SDW 469-M01-08GY	5/7/1998	<1.85	<0.67	2.8	--	269	<0.40	--	<0.19	<0.10
SDW 469-M01-08GY-D	5/7/1998	<1.85	<0.67	2.3	--	269	<0.40	--	<0.19	<0.10
SDW 469-M01-09Y	5/7/1998	<1.85	<0.67	2.8	--	246	<0.40	--	<0.19	<0.10
SDW 469-M01-10P	5/7/1998	<1.85	<0.67	2.7	--	217	<0.40	--	<0.19	<0.10
SDW 469-M01-11GN	5/7/1998	<1.85	<0.67	2.2	--	183	<0.40	--	<0.19	<0.10
SDW 469-M01-12R	5/7/1998	<1.85	<0.67	1.6	--	106	<0.40	--	<0.19	<0.10
SDW 469-M01-12R-X	5/7/1998	<1.85	<0.67	1.7	--	17	<0.40	--	<0.19	<0.10
SDW 469-M01-13BU	5/7/1998	<1.85	<0.67	1.0	--	92	<0.40	--	<0.19	<0.10
SDW 469-M01-14BK	5/7/1998	<1.85	<0.67	0.8	--	44	<0.40	--	<0.19	<0.10
SDW 469-M01-15W	5/7/1998	<1.85	<0.67	1.1	--	78	<0.40	--	<0.19	<0.10
SDW 469-M01-01PT	10/29/1998	5.62	<0.67	4.2	--	265	<0.40	<0.02	<0.19	0.54
SDW 469-M01-02GNT	10/29/1998	10.13	<0.67	4.6	--	241	<0.40	<0.02	<0.19	0.57
SDW 469-M01-03RT	10/29/1998	5.17	<0.67	3.6	--	208	<0.40	<0.02	<0.19	0.61
SDW 469-M01-03RT-X	10/29/1998	2.20	<0.67	3.6	--	4	<0.40	<0.02	<0.19	0.37
SDW 469-M01-04BUT	10/29/1998	5.20	<0.67	2.6	--	259	<0.40	<0.02	<0.19	0.39

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
SDW 469-M01-05BKT	10/29/1998	5.48	<0.67	2.5	--	336	<0.40	<0.02	<0.19	0.26
SDW 469-M01-06WT	10/29/1998	3.88	<0.67	2.2	--	281	<0.40	<0.02	<0.19	0.13
SDW 469-M01-06WT-X	10/29/1998	3.18	<0.67	2.1	--	161	<0.40	<0.02	<0.19	0.12
SDW 469-M01-07O	10/29/1998	<1.85	<0.67	2.5	--	287	<0.40	<0.02	<0.19	<0.10
SDW 469-M01-08GY	10/29/1998	<1.85	<0.67	2.2	--	262	<0.40	<0.02	<0.19	<0.10
SDW 469-M01-08GY-D	10/29/1998	<1.85	<0.67	2.2	--	275	<0.40	<0.02	<0.19	<0.10
SDW 469-M01-09Y	10/29/1998	<1.85	<0.67	3.0	--	259	<0.40	<0.02	<0.19	<0.10
SDW 469-M01-10P	10/29/1998	<1.85	<0.67	3.1	--	230	<0.40	<0.02	<0.19	<0.10
SDW 469-M01-11GN	10/29/1998	<1.85	<0.67	3.1	--	208	<0.40	<0.02	<0.19	<0.10
SDW 469-M01-12R	10/29/1998	<1.85	<0.67	2.0	--	217	<0.40	<0.02	<0.19	<0.10
SDW 469-M01-12R-X	10/29/1998	<1.85	<0.67	2.2	--	8	<0.40	<0.02	<0.19	<0.10
SDW 469-M01-13BU	10/29/1998	<1.85	<0.67	0.9	--	94	<0.40	<0.02	<0.19	<0.10
SDW 469-M01-14BK	10/29/1998	<1.85	<0.67	0.7	--	50	<0.40	<0.02	<0.19	<0.10
SDW 469-M01-15W	10/29/1998	<1.85	<0.67	1.4	--	74	<0.40	<0.02	<0.19	<0.10
SDW 469-M01-01PT	7/1/1999	4.81	<0.67	5.0	--	266	<0.40	--	<0.19	0.71
SDW 469-M01-02GNT	7/1/1999	9.90	<0.67	3.2	--	234	<0.40	--	<0.19	0.70
SDW 469-M01-03RT	7/1/1999	4.90	<0.67	2.4	--	218	<0.40	--	<0.19	0.43
SDW 469-M01-03RT-X	7/1/1999	<1.85	<0.67	2.3	--	<0.25	<0.40	--	<0.19	0.18
SDW 469-M01-04BUT	7/1/1999	6.19	<0.67	3.0	--	267	<0.40	--	<0.19	0.45
SDW 469-M01-05BKT	7/1/1999	4.67	<0.67	2.8	--	203	<0.40	--	<0.19	0.37
SDW 469-M01-05BKT-D	7/1/1999	4.25	<0.67	2.4	--	200	<0.40	--	<0.19	0.30
SDW 469-M01-06WT	7/1/1999	2.81	<0.67	2.2	--	185	<0.40	--	<0.19	0.17
SDW 469-M01-06WT-X	7/1/1999	2.78	<0.67	2.5	--	<0.25	<0.40	--	<0.19	0.11
SDW 469-M01-07O	7/1/1999	<1.85	<0.67	2.8	--	191	<0.40	--	<0.19	<0.10
SDW 469-M01-08GY	7/1/1999	<1.85	<0.67	2.4	--	207	<0.40	--	<0.19	<0.10

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
SDW 469-M01-09Y	7/1/1999	<1.85	<0.67	2.8	--	215	<0.40	--	<0.19	<0.10
SDW 469-M01-10P	7/1/1999	<1.85	<0.67	3.6	--	173	<0.40	--	<0.19	<0.10
SDW 469-M01-11GN	7/1/1999	<1.85	<0.67	3.1	--	171	<0.40	--	<0.19	<0.10
SDW 469-M01-12R	7/1/1999	<1.85	<0.67	2.2	--	177	<0.40	--	<0.19	<0.10
SDW 469-M01-13BU	7/1/1999	<1.85	<0.67	1.5	--	112	<0.40	--	<0.19	<0.10
SDW 469-M01-14BK	7/1/1999	<1.85	<0.67	1.3	--	64	<0.40	--	<0.19	<0.10
SDW 469-M01-15W	7/1/1999	<1.85	<0.67	1.8	--	76	<0.40	--	<0.19	<0.10
SDW 469-M01-01PT	5/24/2000	12.26	<0.11	3.0	0.0105	191	<0.009	<0.02	<0.19	1.02
SDW 469-M01-01PT-D	5/24/2000	10.45	<0.11	2.7	<0.007	179	<0.009	<0.02	<0.19	0.99
SDW 469-M01-02GNT	5/24/2000	13.46	<0.11	3.8	0.0057	202	<0.009	0.03	<0.19	1.05
SDW 469-M01-03RT	5/24/2000	6.14	<0.11	3.1	<0.007	211	<0.009	<0.02	<0.19	0.47
SDW 469-M01-03RT-X	5/24/2000	<1.85	<0.11	3.5	<0.007	36	<0.009	<0.02	<0.19	0.22
SDW 469-M01-04BUT	5/24/2000	7.49	<0.11	2.1	<0.007	200	<0.009	0.03	<0.19	0.39
SDW 469-M01-05BKT	5/24/2000	7.11	<0.11	2.5	0.0079	214	<0.009	0.05	<0.19	0.31
SDW 469-M01-06WT	5/24/2000	4.76	<0.11	2.0	0.0074	191	<0.009	0.05	<0.19	0.13
SDW 469-M01-06WT-X	5/24/2000	<1.85	<0.11	2.3	<0.007	4	<0.009	<0.02	<0.19	0.06
SDW 469-M01-07O	5/24/2000	2.60	<0.11	2.3	0.0098	181	<0.009	0.09	<0.19	0.06
SDW 469-M01-08GY	5/24/2000	2.42	<0.11	2.9	0.0111	299	<0.009	0.14	<0.19	<0.10
SDW 469-M01-08GY-D	5/24/2000	2.51	<0.11	3.0	0.0115	302	<0.009	0.14	<0.19	<0.10
SDW 469-M01-09Y	5/24/2000	1.98	<0.11	3.2	0.0100	293	<0.009	0.09	<0.19	<0.10
SDW 469-M01-10P	5/24/2000	1.93	<0.11	3.9	0.0091	200	<0.009	0.04	<0.19	<0.10
SDW 469-M01-11GN	5/24/2000	<1.85	<0.11	2.6	<0.007	142	<0.009	<0.02	<0.19	<0.10
SDW 469-M01-12R	5/24/2000	<1.85	<0.11	2.1	0.0074	135	<0.009	0.05	<0.19	<0.10
SDW 469-M01-13BU	5/24/2000	<1.85	<0.11	1.6	0.0212	108	<0.009	<0.02	<0.19	<0.10
SDW 469-M01-14BK	5/24/2000	<1.85	<0.11	1.0	0.0301	49	<0.009	<0.02	<0.19	<0.10

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
SDW 469-M01-15W	5/24/2000	<1.85	<0.11	1.5	0.0261	78	<0.009	<0.02	<0.19	<0.10
SDW 469-M01-01PT	8/29/2001	7.13	<0.11	3.1	0.0098	195	<0.009	<0.02	<0.19	0.71
SDW 469-M01-02GNT	8/29/2001	10.11	<0.11	2.5	0.0059	188	<0.009	<0.02	<0.19	0.82
SDW 469-M01-03RT	8/29/2001	8.32	<0.11	2.4	0.0046	280	<0.009	0.02	<0.19	0.50
SDW 469-M01-04BUT	8/29/2001	6.98	<0.11	3.0	0.0092	195	<0.009	<0.02	<0.19	0.68
SDW 469-M01-05BKT	8/29/2001	6.21	<0.11	2.2	0.0074	177	<0.009	0.03	<0.19	0.23
SDW 469-M01-06WT	8/29/2001	5.60	<0.11	2.0	0.0078	163	<0.009	0.04	<0.19	0.15
SDW 469-M01-07O	8/29/2001	3.70	<0.11	2.0	0.0127	196	<0.009	0.13	<0.19	<0.10
SDW 469-M01-07O-D	8/29/2001	3.72	<0.11	2.0	0.0138	197	<0.009	0.12	<0.19	<0.10
SDW 469-M01-08GY	8/29/2001	2.61	<0.11	2.4	0.0074	136	<0.009	0.06	<0.19	<0.10
SDW 469-M01-09Y	8/29/2001	<1.85	<0.11	3.6	0.0055	96	<0.009	0.03	<0.19	<0.10
SDW 469-M01-10P	8/29/2001	1.95	<0.11	4.5	0.0118	205	<0.009	0.05	<0.19	<0.10
SDW 469-M01-11GN	8/29/2001	<1.85	<0.11	3.9	0.0106	211	<0.009	0.04	<0.19	<0.10
SDW 469-M01-12R	8/29/2001	<1.85	<0.11	2.1	0.0118	290	<0.009	0.04	<0.19	<0.10
SDW 469-M01-13BU	8/29/2001	<1.85	<0.11	1.1	0.0175	94	<0.009	<0.02	<0.19	<0.10
SDW 469-M01-14BK	8/29/2001	<1.85	<0.11	1.2	0.1086	154	<0.009	<0.02	<0.19	<0.10
SDW 469-M01-15W	8/29/2001	<1.85	<0.11	1.6	0.0304	77	<0.009	<0.02	<0.19	<0.10
SDW 469-M01-02GNT	6/20/2002	7.99	<0.11	2.5	<0.007	198	<0.009	<0.02	<0.19	1.04
SDW 469-M01-03RT	6/20/2002	7.05	<0.11	1.7	<0.007	188	<0.009	<0.02	<0.19	0.54
SDW 469-M01-03RT-X	6/20/2002	<1.85	<0.11	2.0	0.0075	5	<0.009	<0.02	<0.19	0.24
SDW 469-M01-04BUT	6/20/2002	8.51	<0.11	1.7	<0.007	228	<0.009	0.04	<0.19	0.54
SDW 469-M01-05BKT	6/20/2002	6.56	<0.11	1.7	<0.007	253	<0.009	0.06	<0.19	0.29
SDW 469-M01-06WT	6/20/2002	6.38	<0.11	1.5	0.0110	278	<0.009	0.08	<0.19	0.15
SDW 469-M01-06WT-X	6/20/2002	2.16	<0.11	1.9	0.0082	7	<0.009	<0.02	<0.19	0.12

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
SDW 469-M01-07O	6/20/2002	3.76	<0.11	1.8	0.0141	232	<0.009	0.15	<0.19	0.06
SDW 469-M01-08GY	6/20/2002	3.05	<0.11	2.2	0.0098	178	<0.009	0.09	<0.19	<0.10
SDW 469-M01-09Y	6/20/2002	1.88	<0.11	3.2	<0.007	182	<0.009	0.07	<0.19	<0.10
SDW 469-M01-10P	6/20/2002	<1.85	<0.11	3.6	<0.007	106	<0.009	0.04	<0.19	<0.10
SDW 469-M01-11GN	6/20/2002	<1.85	<0.11	2.6	<0.007	104	<0.009	0.04	<0.19	<0.10
SDW 469-M01-11GN-D	6/20/2002	<1.85	<0.11	2.7	<0.007	107	<0.009	0.03	<0.19	<0.10
SDW 469-M01-12R	6/20/2002	<1.85	<0.11	1.7	<0.007	73	<0.009	<0.02	<0.19	<0.10
SDW 469-M01-13BU	6/20/2002	<1.85	<0.11	1.4	0.0177	60	<0.009	<0.02	<0.19	<0.10
SDW 469-M01-14BK	6/20/2002	<1.85	<0.11	1.0	0.0416	61	<0.009	<0.02	<0.19	<0.10
SDW 469-M01-15W	6/20/2002	<1.85	<0.11	1.5	0.0338	96	<0.009	<0.02	<0.19	<0.10
SDW 469-M01-01PT	6/3/2003	7.31	<0.11	2.3	<0.007	257	<0.009	<0.02	<0.19	0.77
SDW 469-M01-02GNT	6/3/2003	6.32	<0.11	2.5	<0.007	239	<0.009	<0.02	<0.19	1.29
SDW 469-M01-03RT	6/3/2003	9.07	<0.11	2.9	<0.007	236	<0.009	0.02	<0.19	0.71
SDW 469-M01-03RT-X	6/3/2003	8.97	<0.11	2.2	<0.007	63	<0.009	<0.02	<0.19	0.55
SDW 469-M01-04BUT	6/3/2003	8.47	<0.11	2.0	<0.007	320	<0.009	0.04	<0.19	0.57
SDW 469-M01-05BKT	6/3/2003	5.55	<0.11	1.7	<0.007	290	<0.009	0.05	<0.19	0.24
SDW 469-M01-05BKT-D	6/3/2003	5.55	<0.11	1.5	<0.007	317	<0.009	0.05	<0.19	0.27
SDW 469-M01-06WT	6/3/2003	5.35	<0.11	1.5	<0.007	293	<0.009	0.07	<0.19	0.11
SDW 469-M01-06WT-X	6/3/2003	5.90	<0.11	0.9	<0.007	63	<0.009	0.03	<0.19	0.07
SDW 469-M01-07O	6/3/2003	3.82	<0.11	1.8	0.0109	272	<0.009	0.15	<0.19	<0.10
SDW 469-M01-07O-D	6/3/2003	3.92	<0.11	1.7	0.0114	292	<0.009	0.15	<0.19	<0.10
SDW 469-M01-08GY	6/3/2003	<1.85	<0.11	2.1	<0.007	323	<0.009	0.12	<0.19	<0.10
SDW 469-M01-09Y	6/3/2003	<1.85	<0.11	2.5	<0.007	262	<0.009	0.07	<0.19	<0.10
SDW 469-M01-10P	6/3/2003	<1.85	<0.11	3.1	<0.007	203	<0.009	0.05	<0.19	<0.10
SDW 469-M01-10P-X	6/3/2003	<1.85	<0.11	2.2	<0.007	34	<0.009	<0.02	<0.19	<0.10

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
SDW 469-M01-11GN	6/3/2003	<1.85	<0.11	2.4	<0.007	165	<0.009	0.06	<0.19	<0.10
SDW 469-M01-12R	6/3/2003	<1.85	<0.11	1.5	0.0085	203	<0.009	0.03	<0.19	<0.10
SDW 469-M01-13BU	6/3/2003	<1.85	<0.11	1.0	0.0208	119	<0.009	<0.02	<0.19	<0.10
SDW 469-M01-14BK	6/3/2003	<1.85	<0.11	1.2	0.0497	94	<0.009	<0.02	<0.19	<0.10
SDW 469-M01-15W	6/3/2003	<1.85	<0.11	1.3	0.0279	106	<0.009	<0.02	<0.19	<0.10
SDW 469-M01-01PT	7/30/2004	6.59	<0.11	2.1	<0.007	209	<0.009	<0.02	<0.19	0.72
SDW 469-M01-02GNT	7/30/2004	7.10	<0.11	2.2	<0.007	183	<0.009	<0.02	<0.19	0.80
SDW 469-M01-03RT	7/30/2004	11.66	<0.11	1.9	<0.007	187	<0.009	0.03	<0.19	0.82
SDW 469-M01-03RT-X	7/30/2004	7.75	<0.11	2.0	<0.007	10	<0.009	<0.02	<0.19	0.38
SDW 469-M01-04BUT	7/30/2004	9.77	<0.11	1.8	<0.007	248	<0.009	0.04	<0.19	0.68
SDW 469-M01-05BKT	7/30/2004	5.29	<0.11	1.4	<0.007	125	<0.009	0.03	<0.19	0.28
SDW 469-M01-06WT	7/30/2004	4.81	<0.11	1.3	<0.007	104	<0.009	0.06	<0.19	0.14
SDW 469-M01-06WT-X	7/30/2004	4.05	<0.11	1.2	<0.007	16	<0.009	<0.02	<0.19	0.08
SDW 469-M01-07O	7/30/2004	5.57	<0.11	1.5	<0.007	183	<0.009	0.15	<0.19	0.06
SDW 469-M01-07O-D	7/30/2004	5.31	<0.11	1.4	<0.007	173	<0.009	0.15	<0.19	0.05
SDW 469-M01-08GY	7/30/2004	3.71	<0.11	1.6	<0.007	197	<0.009	0.13	<0.19	<0.10
SDW 469-M01-09Y	7/30/2004	<1.85	<0.11	2.1	<0.007	157	<0.009	0.09	<0.19	<0.10
SDW 469-M01-10P	7/30/2004	<1.85	<0.11	2.3	<0.007	203	<0.009	0.11	<0.19	<0.10
SDW 469-M01-10P-X	7/30/2004	<1.85	<0.11	2.2	<0.007	10	<0.009	<0.02	<0.19	<0.10
SDW 469-M01-11GN	7/30/2004	<1.85	<0.11	1.8	0.0149	216	<0.009	0.03	<0.19	<0.10
SDW 469-M01-12R	7/30/2004	<1.85	<0.11	1.4	0.0212	188	<0.009	0.22	<0.19	<0.10
SDW 469-M01-13BU	7/30/2004	<1.85	<0.11	0.9	0.0616	213	<0.009	0.04	<0.19	<0.10
SDW 469-M01-14BK	7/30/2004	<1.85	<0.11	1.1	0.1563	206	<0.009	<0.02	<0.19	<0.10
SDW 469-M01-15W	7/30/2004	<1.85	<0.11	1.3	0.0293	96	<0.009	<0.02	<0.19	<0.10

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
SDW 473-M01-01PT	9/28/1995	--								
SDW 473-M01-02GNT	9/28/1995	<1.85	--	6.5	--	143	--	--	<0.19	1.42
SDW 473-M01-03RT	9/28/1995	<1.85	--	15.9	--	280	--	--	<0.19	0.14
SDW 473-M01-04BUT	9/28/1995	<1.85	--	11.9	--	235	--	--	<0.19	<0.10
SDW 473-M01-05BKT	9/28/1995	<1.85	--	22.4	--	302	--	--	<0.19	<0.10
SDW 473-M01-06WT	9/28/1995	<1.85	--	8.8	--	196	--	--	<0.19	<0.10
SDW 473-M01-07O	9/28/1995	<1.85	--	1.9	--	67	--	--	<0.19	<0.10
SDW 473-M01-08GY	9/28/1995	<1.85	--	3.2	--	63	--	--	<0.19	<0.10
SDW 473-M01-09Y	9/28/1995	<1.85	--	2.8	--	74	--	--	<0.19	<0.10
SDW 473-M01-10P	9/28/1995	<1.85	--	2.3	--	116	--	--	<0.19	<0.10
SDW 473-M01-11GN	9/28/1995	<1.85	--	1.8	--	142	--	--	<0.19	<0.10
SDW 473-M01-12R	9/28/1995	<1.85	--	0.9	--	82	--	--	<0.19	<0.10
SDW 473-M01-13BU	9/28/1995	<1.85	--	0.6	--	63	--	--	<0.19	<0.10
SDW 473-M01-14BK	9/28/1995	<1.85	--	0.7	--	62	--	--	<0.19	<0.10
SDW 473-M01-15W	9/28/1995	<1.85	--	1.0	--	100	--	--	<0.19	<0.10
SDW 473-M01-01PT	11/30/1995	--	--	--	--	--	--	--	--	--
SDW 473-M01-02GNT	11/30/1995	2.18	--	6.1	--	172	--	--	<0.19	2.47
SDW 473-M01-03RT	11/30/1995	<1.85	--	17.8	--	379	--	--	<0.19	0.42
SDW 473-M01-04BUT	11/30/1995	<1.85	--	10.0	--	279	--	--	<0.19	0.26
SDW 473-M01-05BKT	11/30/1995	<1.85	--	17.4	--	237	--	--	<0.19	0.22
SDW 473-M01-06WT	11/30/1995	2.09	--	25.3	--	192	--	--	<0.19	0.23
SDW 473-M01-07O	11/30/1995	<1.85	--	2.9	--	216	--	--	<0.19	0.16
SDW 473-M01-08GY	11/30/1995	<1.85	--	3.3	--	78	--	--	<0.19	0.17
SDW 473-M01-09Y	11/30/1995	<1.85	--	2.8	--	72	--	--	<0.19	0.11
SDW 473-M01-10P	11/30/1995	<1.85	--	2.1	--	129	--	--	<0.19	<0.10

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
SDW 473-M01-10P-D	11/30/1995	<1.85	--	2.1	--	122	--	--	<0.19	<0.10
SDW 473-M01-11GN	11/30/1995	<1.85	--	1.4	--	128	--	--	<0.19	<0.10
SDW 473-M01-12R	11/30/1995	<1.85	--	1.4	--	81	--	--	<0.19	<0.10
SDW 473-M01-12R-D	11/30/1995	<1.85	--	1.0	--	78	--	--	<0.19	<0.10
SDW 473-M01-13BU	11/30/1995	<1.85	--	0.8	--	66	--	--	<0.19	<0.10
SDW 473-M01-14BK	11/30/1995	<1.85	--	0.8	--	67	--	--	<0.19	<0.10
SDW 473-M01-15W	11/30/1995	<1.85	--	1.3	--	114	--	--	<0.19	<0.10
SDW 473-M01-01PT	1/24/1996	--	--	--	--	--	--	--	--	--
SDW 473-M01-02GNT	1/24/1996	3.98	--	19.3	--	265	--	--	<0.19	2.63
SDW 473-M01-03RT	1/24/1996	<1.85	--	25.1	--	353	--	--	<0.19	0.34
SDW 473-M01-04BUT	1/24/1996	<1.85	--	24.8	--	277	--	--	<0.19	0.17
SDW 473-M01-05BKT	1/24/1996	<1.85	--	21.6	--	245	--	--	<0.19	0.15
SDW 473-M01-05BKT-D	1/24/1996	<1.85	--	20.6	--	237	--	--	<0.19	0.10
SDW 473-M01-06WT	1/24/1996	<1.85	--	6.7	--	126	--	--	<0.19	0.14
SDW 473-M01-07O	1/24/1996	<1.85	--	2.3	--	88	--	--	<0.19	0.13
SDW 473-M01-08GY	1/24/1996	<1.85	--	2.9	--	92	--	--	<0.19	0.12
SDW 473-M01-09Y	1/24/1996	<1.85	--	2.4	--	87	--	--	<0.19	<0.10
SDW 473-M01-10P	1/24/1996	<1.85	--	1.3	--	119	--	--	<0.19	<0.10
SDW 473-M01-11GN	1/24/1996	<1.85	--	1.6	--	126	--	--	<0.19	<0.10
SDW 473-M01-12R	1/24/1996	<1.85	--	1.4	--	91	--	--	<0.19	<0.10
SDW 473-M01-13BU	1/24/1996	<1.85	--	0.9	--	65	--	--	<0.19	<0.10
SDW 473-M01-14BK	1/24/1996	<1.85	--	1.4	--	76	--	--	<0.19	<0.10
SDW 473-M01-14BK-D	1/24/1996	<1.85	--	1.5	--	73	--	--	<0.19	<0.10
SDW 473-M01-15W	1/24/1996	<1.85	--	2.0	--	125	--	--	<0.19	<0.10

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
SDW 473-M01-01PT	3/20/1996	--	--	--	--	--	--	--	--	--
SDW 473-M01-02GNT	3/20/1996	4.48	--	6.1	--	161	--	--	<0.19	2.42
SDW 473-M01-03RT	3/20/1996	<1.85	--	22.1	--	385	--	--	<0.19	0.22
SDW 473-M01-04BUT	3/20/1996	<1.85	--	27.5	--	394	--	--	<0.19	<0.10
SDW 473-M01-05BKT	3/20/1996	<1.85	--	26.5	--	396	--	--	<0.19	<0.10
SDW 473-M01-06WT	3/20/1996	<1.85	--	8.1	--	124	--	--	<0.19	<0.10
SDW 473-M01-06WT-D	3/20/1996	<1.85	--	8.2	--	121	--	--	<0.19	<0.10
SDW 473-M01-07O	3/20/1996	<1.85	--	1.4	--	78	--	--	<0.19	<0.10
SDW 473-M01-08GY	3/20/1996	<1.85	--	2.6	--	88	--	--	<0.19	<0.10
SDW 473-M01-09Y	3/20/1996	<1.85	--	2.1	--	85	--	--	<0.19	<0.10
SDW 473-M01-10P	3/20/1996	<1.85	--	1.4	--	107	--	--	<0.19	<0.10
SDW 473-M01-11GN	3/20/1996	<1.85	--	1.3	--	110	--	--	<0.19	<0.10
SDW 473-M01-12R	3/20/1996	<1.85	--	1.2	--	83	--	--	<0.19	<0.10
SDW 473-M01-13BU	3/20/1996	<1.85	--	1.0	--	56	--	--	<0.19	<0.10
SDW 473-M01-14BK	3/20/1996	<1.85	--	0.9	--	65	--	--	<0.19	<0.10
SDW 473-M01-15W	3/20/1996	<1.85	--	1.4	--	106	--	--	<0.19	<0.10
SDW 473-M01-15W-D	3/20/1996	<1.85	--	2.1	--	113	--	--	<0.19	<0.10
SDW 473-M01-01PT	5/16/1996	3.99	--	1.4	--	96	--	--	<0.19	0.22
SDW 473-M01-02GNT	5/16/1996	3.52	--	7.8	--	128	--	--	<0.19	1.92
SDW 473-M01-03RT	5/16/1996	<1.85	--	21.7	--	378	--	--	<0.19	0.21
SDW 473-M01-04BUT	5/16/1996	<1.85	--	13.1	--	234	--	--	<0.19	<0.10
SDW 473-M01-05BKT	5/16/1996	<1.85	--	10.1	--	181	--	--	<0.19	<0.10
SDW 473-M01-06WT	5/16/1996	<1.85	--	10.7	--	120	--	--	<0.19	<0.10
SDW 473-M01-07O	5/16/1996	<1.85	--	2.0	--	95	--	--	<0.19	<0.10
SDW 473-M01-08GY	5/16/1996	<1.85	--	2.5	--	88	--	--	<0.19	<0.10

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
SDW 473-M01-08GY-D	5/16/1996	<1.85	--	2.7	--	94	--	--	<0.19	<0.10
SDW 473-M01-09Y	5/16/1996	<1.85	--	3.0	--	88	--	--	<0.19	<0.10
SDW 473-M01-10P	5/16/1996	<1.85	--	1.8	--	118	--	--	<0.19	<0.10
SDW 473-M01-11GN	5/16/1996	<1.85	--	1.5	--	118	--	--	<0.19	<0.10
SDW 473-M01-12R	5/16/1996	<1.85	--	1.0	--	103	--	--	<0.19	<0.10
SDW 473-M01-13BU	5/16/1996	<1.85	--	0.8	--	60	--	--	<0.19	<0.10
SDW 473-M01-14BK	5/16/1996	<1.85	--	1.0	--	69	--	--	<0.19	<0.10
SDW 473-M01-15W	5/16/1996	<1.85	--	1.6	--	116	--	--	<0.19	<0.10
SDW 473-M01-01PT	7/26/1996	6.91	--	1.6	--	127	--	--	<0.19	1.27
SDW 473-M01-02GNT	7/26/1996	2.17	--	3.7	--	106	--	--	<0.19	1.09
SDW 473-M01-03RT	7/26/1996	<1.85	--	8.5	--	190	--	--	<0.19	0.14
SDW 473-M01-04BUT	7/26/1996	<1.85	--	5.7	--	138	--	--	<0.19	<0.10
SDW 473-M01-05BKT	7/26/1996	<1.85	--	3.2	--	168	--	--	<0.19	<0.10
SDW 473-M01-06WT	7/26/1996	<1.85	--	2.2	--	176	--	--	<0.19	<0.10
SDW 473-M01-07O	7/26/1996	<1.85	--	2.6	--	84	--	--	<0.19	<0.10
SDW 473-M01-08GY	7/26/1996	<1.85	--	2.7	--	90	--	--	<0.19	<0.10
SDW 473-M01-08GY-D	7/26/1996	<1.85	--	3.2	--	99	--	--	<0.19	<0.10
SDW 473-M01-09Y	7/26/1996	<1.85	--	2.6	--	83	--	--	<0.19	<0.10
SDW 473-M01-10P	7/26/1996	<1.85	--	2.0	--	156	--	--	<0.19	<0.10
SDW 473-M01-11GN	7/26/1996	<1.85	--	1.6	--	138	--	--	<0.19	<0.10
SDW 473-M01-12R	7/26/1996	<1.85	--	1.2	--	94	--	--	<0.19	<0.10
SDW 473-M01-13BU	7/26/1996	<1.85	--	1.2	--	62	--	--	<0.19	<0.10
SDW 473-M01-14BK	7/26/1996	<1.85	--	1.1	--	68	--	--	<0.19	<0.10
SDW 473-M01-15W	7/26/1996	<1.85	--	1.8	--	111	--	--	<0.19	<0.10

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
SDW 473-M01-01PT	11/5/1996	4.30	<0.67	1.4	--	56	<0.40	--	<0.19	0.99
SDW 473-M01-02GNT	11/5/1996	2.65	<0.67	1.8	--	113	<0.40	--	<0.19	1.18
SDW 473-M01-03RT	11/5/1996	<1.85	<0.67	5.6	--	190	<0.40	--	<0.19	0.16
SDW 473-M01-04BUT	11/5/1996	<1.85	<0.67	2.0	--	164	<0.40	--	<0.19	<0.10
SDW 473-M01-04BUT-D	11/5/1996	<1.85	<0.67	2.5	--	160	<0.40	--	<0.19	<0.10
SDW 473-M01-05BKT	11/5/1996	<1.85	<0.67	1.6	--	121	<0.40	--	<0.19	<0.10
SDW 473-M01-06WT	11/5/1996	<1.85	<0.67	1.5	--	71	<0.40	--	<0.19	0.37
SDW 473-M01-07O	11/5/1996	<1.85	<0.67	2.2	--	88	<0.40	--	<0.19	<0.10
SDW 473-M01-08GY	11/5/1996	<1.85	<0.67	1.8	--	69	<0.40	--	<0.19	<0.10
SDW 473-M01-09Y	11/7/1996	<1.85	<0.67	1.5	--	72	<0.40	--	<0.19	<0.10
SDW 473-M01-10P	11/7/1996	<1.85	<0.67	1.5	--	122	<0.40	--	<0.19	<0.10
SDW 473-M01-11GN	11/7/1996	<1.85	<0.67	1.0	--	138	<0.40	--	<0.19	<0.10
SDW 473-M01-12R	11/7/1996	<1.85	<0.67	0.7	--	64	<0.40	--	<0.19	<0.10
SDW 473-M01-13BU	11/7/1996	<1.85	<0.67	0.8	--	50	<0.40	--	<0.19	<0.10
SDW 473-M01-13BU-D	11/7/1996	<1.85	<0.67	0.9	--	48	<0.40	--	<0.19	<0.10
SDW 473-M01-14BK	11/7/1996	<1.85	<0.67	1.0	--	73	<0.40	--	<0.19	<0.10
SDW 473-M01-15W	11/7/1996	<1.85	<0.67	1.1	--	100	<0.40	--	<0.19	<0.10
SDW 473-M01-01PT	2/18/1997	10.54	<0.67	1.2	--	127	<0.40	--	<0.19	2.02
SDW 473-M01-02GNT	2/18/1997	<1.85	<0.67	2.2	--	118	<0.40	--	<0.19	0.94
SDW 473-M01-03RT	2/18/1997	<1.85	<0.67	2.8	--	184	<0.40	--	<0.19	<0.10
SDW 473-M01-04BUT	2/18/1997	<1.85	<0.67	1.8	--	189	<0.40	--	<0.19	<0.10
SDW 473-M01-05BKT	2/18/1997	<1.85	<0.67	1.1	--	167	<0.40	--	<0.19	<0.10
SDW 473-M01-06WT	2/18/1997	<1.85	<0.67	1.8	--	107	<0.40	--	<0.19	<0.10
SDW 473-M01-07O	2/18/1997	<1.85	<0.67	2.4	--	89	<0.40	--	<0.19	<0.10
SDW 473-M01-08GY	2/18/1997	<1.85	<0.67	2.3	--	74	<0.40	--	<0.19	<0.10

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
SDW 473-M01-08GY-D	2/18/1997	<1.85	<0.67	2.9	--	72	<0.40	--	<0.19	<0.10
SDW 473-M01-09Y	2/18/1997	<1.85	<0.67	1.9	--	49	<0.40	--	<0.19	<0.10
SDW 473-M01-10P	2/18/1997	<1.85	<0.67	1.8	--	75	<0.40	--	<0.19	<0.10
SDW 473-M01-11GN	2/18/1997	<1.85	<0.67	1.1	--	91	<0.40	--	<0.19	<0.10
SDW 473-M01-12R	2/18/1997	<1.85	<0.67	0.5	--	50	<0.40	--	<0.19	<0.10
SDW 473-M01-13BU	2/18/1997	<1.85	<0.67	0.6	--	51	<0.40	--	<0.19	<0.10
SDW 473-M01-14BK	2/18/1997	<1.85	<0.67	1.1	--	74	<0.40	--	<0.19	<0.10
SDW 473-M01-15W	2/18/1997	<1.85	<0.67	1.4	--	100	<0.40	--	<0.19	<0.10
SDW 473-M01-01PT	5/14/1997	9.89	--	1.3	--	135	--	--	<0.19	1.76
SDW 473-M01-02GNT	5/14/1997	2.04	--	2.2	--	128	--	--	<0.19	1.11
SDW 473-M01-03RT	5/14/1997	<1.85	--	1.6	--	220	--	--	<0.19	0.11
SDW 473-M01-03RT-D	5/14/1997	<1.85	--	2.0	--	215	--	--	<0.19	<0.10
SDW 473-M01-04BUT	5/14/1997	<1.85	--	1.3	--	221	--	--	<0.19	<0.10
SDW 473-M01-05BKT	5/14/1997	<1.85	--	1.0	--	206	--	--	<0.19	<0.10
SDW 473-M01-06WT	5/14/1997	<1.85	--	2.0	--	102	--	--	<0.19	<0.10
SDW 473-M01-07O	5/14/1997	<1.85	--	2.1	--	92	--	--	<0.19	<0.10
SDW 473-M01-08GY	5/14/1997	<1.85	--	2.1	--	92	--	--	<0.19	<0.10
SDW 473-M01-09Y	5/14/1997	<1.85	--	1.6	--	88	--	--	<0.19	<0.10
SDW 473-M01-10P	5/14/1997	<1.85	--	1.1	--	54	--	--	<0.19	<0.10
SDW 473-M01-11GN	5/14/1997	<1.85	--	0.7	--	62	--	--	<0.19	<0.10
SDW 473-M01-12R	5/14/1997	<1.85	--	0.4	--	47	--	--	<0.19	<0.10
SDW 473-M01-12R-D	5/14/1997	<1.85	--	0.5	--	47	--	--	<0.19	<0.10
SDW 473-M01-13BU	5/14/1997	<1.85	--	0.5	--	54	--	--	<0.19	<0.10
SDW 473-M01-14BK	5/14/1997	<1.85	--	0.6	--	71	--	--	<0.19	<0.10
SDW 473-M01-15W	5/14/1997	<1.85	--	1.0	--	95	--	--	<0.19	<0.10

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
SDW 473-M01-01PT	8/14/1997	9.60	<0.67	0.6	--	106	<0.40	--	<0.19	1.98
SDW 473-M01-02GNT	8/14/1997	<1.85	<0.67	1.1	--	127	<0.40	--	<0.19	0.66
SDW 473-M01-03RT	8/14/1997	<1.85	<0.67	1.4	--	198	<0.40	--	<0.19	<0.10
SDW 473-M01-04BUT	8/14/1997	<1.85	<0.67	1.2	--	173	<0.40	--	<0.19	<0.10
SDW 473-M01-04BUT-D	8/14/1997	<1.85	<0.67	1.2	--	173	<0.40	--	<0.19	<0.10
SDW 473-M01-05BKT	8/14/1997	<1.85	<0.67	0.6	--	130	<0.40	--	<0.19	<0.10
SDW 473-M01-06WT	8/14/1997	<1.85	<0.67	1.4	--	90	<0.40	--	<0.19	<0.10
SDW 473-M01-07O	8/14/1997	<1.85	<0.67	1.9	--	95	<0.40	--	<0.19	<0.10
SDW 473-M01-08GY	8/14/1997	<1.85	<0.67	2.3	--	134	<0.40	--	<0.19	<0.10
SDW 473-M01-09Y	8/14/1997	<1.85	<0.67	1.7	--	164	<0.40	--	<0.19	<0.10
SDW 473-M01-10P	8/14/1997	<1.85	<0.67	1.3	--	80	<0.40	--	<0.19	<0.10
SDW 473-M01-11GN	8/14/1997	<1.85	<0.67	0.7	--	73	<0.40	--	<0.19	<0.10
SDW 473-M01-12R	8/14/1997	<1.85	<0.67	0.6	--	49	<0.40	--	<0.19	<0.10
SDW 473-M01-13BU	8/14/1997	<1.85	<0.67	0.0	--	54	<0.40	--	<0.19	<0.10
SDW 473-M01-13BU-D	8/14/1997	<1.85	<0.67	0.5	--	54	<0.40	--	<0.19	<0.10
SDW 473-M01-14BK	8/14/1997	<1.85	<0.67	0.6	--	76	<0.40	--	<0.19	<0.10
SDW 473-M01-15W	8/14/1997	<1.85	<0.67	0.9	--	97	<0.40	--	<0.19	<0.10
SDW 473-M01-01PT	11/3/1997	10.50	<0.67	0.5	--	119	<0.40	--	<0.19	1.93
SDW 473-M01-02GNT	11/3/1997	<1.85	<0.67	2.0	--	121	<0.40	--	<0.19	0.76
SDW 473-M01-03RT	11/3/1997	<1.85	<0.67	2.2	--	193	<0.40	--	<0.19	0.10
SDW 473-M01-04BUT	11/3/1997	<1.85	<0.67	1.6	--	122	<0.40	--	<0.19	<0.10
SDW 473-M01-04BUT-D	11/3/1997	<1.85	<0.67	1.4	--	125	<0.40	--	<0.19	<0.10
SDW 473-M01-05BKT	11/3/1997	<1.85	<0.67	0.9	--	106	<0.40	--	<0.19	<0.10
SDW 473-M01-06WT	11/3/1997	<1.85	<0.67	1.5	--	74	<0.40	--	<0.19	<0.10

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
SDW 473-M01-07O	11/3/1997	<1.85	<0.67	2.6	--	88	<0.40	--	<0.19	<0.10
SDW 473-M01-08GY	11/3/1997	<1.85	<0.67	2.7	--	86	<0.40	--	<0.19	<0.10
SDW 473-M01-09Y	11/3/1997	<1.85	<0.67	2.5	--	98	<0.40	--	<0.19	<0.10
SDW 473-M01-10P	11/3/1997	<1.85	<0.67	1.5	--	112	<0.40	--	<0.19	<0.10
SDW 473-M01-11GN	11/3/1997	<1.85	<0.67	0.7	--	59	<0.40	--	<0.19	<0.10
SDW 473-M01-12R	11/3/1997	<1.85	<0.67	0.6	--	43	<0.40	--	<0.19	<0.10
SDW 473-M01-13BU	11/3/1997	<1.85	<0.67	0.6	--	49	<0.40	--	<0.19	<0.10
SDW 473-M01-13BU-D	11/3/1997	<1.85	<0.67	0.3	--	56	<0.40	--	<0.19	<0.10
SDW 473-M01-14BK	11/3/1997	<1.85	<0.67	0.6	--	68	<0.40	--	<0.19	<0.10
SDW 473-M01-15W	11/3/1997	<1.85	<0.67	1.1	--	93	<0.40	--	<0.19	<0.10
SDW 473-M01-01PT	5/12/1998	12.19	<0.67	1.0	--	135	<0.40	--	<0.19	2.16
SDW 473-M01-02GNT	5/12/1998	8.27	<0.67	1.2	--	159	<0.40	--	<0.19	3.46
SDW 473-M01-02GNT-D	5/12/1998	8.26	<0.67	1.0	--	156	<0.40	--	<0.19	3.35
SDW 473-M01-03RT	5/12/1998	<1.85	<0.67	2.0	--	428	<0.40	--	<0.19	0.18
SDW 473-M01-04BUT	5/12/1998	<1.85	<0.67	1.3	--	236	<0.40	--	<0.19	<0.10
SDW 473-M01-05BKT	5/12/1998	<1.85	<0.67	0.5	--	112	<0.40	--	<0.19	<0.10
SDW 473-M01-06WT	5/12/1998	<1.85	<0.67	0.8	--	98	<0.40	--	<0.19	<0.10
SDW 473-M01-07O	5/12/1998	<1.85	<0.67	1.8	--	83	<0.40	--	<0.19	<0.10
SDW 473-M01-08GY	5/12/1998	<1.85	<0.67	3.1	--	67	<0.40	--	<0.19	<0.10
SDW 473-M01-09Y	5/12/1998	<1.85	<0.67	2.8	--	84	<0.40	--	<0.19	<0.10
SDW 473-M01-10P	5/12/1998	<1.85	<0.67	1.3	--	102	<0.40	--	<0.19	<0.10
SDW 473-M01-11GN	5/12/1998	<1.85	<0.67	0.8	--	84	<0.40	--	<0.19	<0.10
SDW 473-M01-11GN-D	5/12/1998	<1.85	<0.67	0.7	--	86	<0.40	--	<0.19	<0.10
SDW 473-M01-12R	5/12/1998	<1.85	<0.67	0.3	--	47	<0.40	--	<0.19	<0.10
SDW 473-M01-13BU	5/12/1998	<1.85	<0.67	0.3	--	55	<0.40	--	<0.19	<0.10

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
SDW 473-M01-14BK	5/12/1998	<1.85	<0.67	0.6	--	77	<0.40	--	<0.19	<0.10
SDW 473-M01-15W	5/12/1998	<1.85	<0.67	0.9	--	99	<0.40	--	<0.19	<0.10
SDW 473-M01-01PT	10/30/1998	14.83	<0.67	1.7	--	129	<0.40	<0.25	<0.19	2.32
SDW 473-M01-02GNT	10/30/1998	10.08	<0.67	2.1	--	301	0.088	<0.25	<0.19	4.47
SDW 473-M01-03RT	10/30/1998	<1.85	<0.67	2.6	--	490	<0.40	<0.25	<0.19	0.13
SDW 473-M01-04BUT	10/30/1998	<1.85	<0.67	2.9	--	478	0.037	<0.25	<0.19	<0.10
SDW 473-M01-05BKT	10/30/1998	1.94	<0.67	2.8	--	402	<0.40	<0.25	<0.19	<0.10
SDW 473-M01-05BKT-D	10/30/1998	<1.85	<0.67	2.4	--	396	<0.40	<0.25	<0.19	<0.10
SDW 473-M01-06WT	10/30/1998	<1.85	<0.67	2.0	--	91	<0.40	<0.25	<0.19	<0.10
SDW 473-M01-07O	10/30/1998	<1.85	<0.67	1.6	--	131	<0.40	<0.25	<0.19	0.45
SDW 473-M01-08GY	10/30/1998	<1.85	<0.67	2.9	--	72	<0.40	<0.25	<0.19	<0.10
SDW 473-M01-09Y	10/30/1998	<1.85	<0.67	2.1	--	53	<0.40	<0.25	<0.19	<0.10
SDW 473-M01-10P	10/30/1998	<1.85	<0.67	4.5	--	135	<0.40	<0.25	<0.19	<0.10
SDW 473-M01-11GN	10/30/1998	<1.85	<0.67	0.9	--	79	<0.40	<0.25	<0.19	<0.10
SDW 473-M01-12R	10/30/1998	<1.85	<0.67	0.7	--	55	0.037	<0.25	<0.19	<0.10
SDW 473-M01-13BU	10/30/1998	<1.85	<0.67	1.1	--	57	<0.40	<0.25	<0.19	<0.10
SDW 473-M01-14BK	10/30/1998	<1.85	<0.67	1.3	--	70	<0.40	<0.25	<0.19	<0.10
SDW 473-M01-14BK-D	10/30/1998	<1.85	<0.67	1.1	--	72	<0.40	<0.25	<0.19	<0.10
SDW 473-M01-15W	10/30/1998	<1.85	<0.67	1.5	--	105	<0.40	<0.25	<0.19	<0.10
SDW 473-M01-01PT	6/28/1999	9.78	<0.67	1.8	--	132	0.052	--	<0.19	1.92
SDW 473-M01-01PT-X	6/28/1999	<1.85	<0.67	1.6	--	<0.25	<0.40	--	<0.19	<0.10
SDW 473-M01-02GNT	6/28/1999	10.23	<0.67	1.8	--	173	0.045	--	<0.19	2.97
SDW 473-M01-02GNT-D	6/28/1999	10.26	<0.67	1.8	--	179	<0.40	--	<0.19	3.07
SDW 473-M01-02GNT-X	6/28/1999	<1.85	<0.67	2.0	--	0.31	<0.40	--	<0.19	<0.10

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
SDW 473-M01-02GNT-X-D	6/28/1999	<1.85	<0.67	2.0	--	<0.25	<0.40	--	<0.19	<0.10
SDW 473-M01-03RT	6/28/1999	<1.85	<0.67	1.5	--	198	0.052	--	<0.19	0.23
SDW 473-M01-04BUT	6/28/1999	<1.85	<0.67	1.6	--	161	<0.40	--	<0.19	<0.10
SDW 473-M01-05BKT	6/28/1999	<1.85	<0.67	1.4	--	116	<0.40	--	<0.19	<0.10
SDW 473-M01-06WT	6/28/1999	<1.85	<0.67	2.4	--	58	<0.40	--	<0.19	<0.10
SDW 473-M01-07O	6/28/1999	<1.85	<0.67	3.6	--	85	<0.40	--	<0.19	<0.10
SDW 473-M01-08GY	6/28/1999	<1.85	<0.67	3.0	--	50	<0.40	--	<0.19	<0.10
SDW 473-M01-08GY-D	6/28/1999	<1.85	<0.67	2.9	--	47	<0.40	--	<0.19	<0.10
SDW 473-M01-09Y	6/28/1999	<1.85	<0.67	2.2	--	46	<0.40	--	<0.19	<0.10
SDW 473-M01-10P	6/28/1999	<1.85	<0.67	1.7	--	38	<0.40	--	<0.19	<0.10
SDW 473-M01-11GN	6/28/1999	<1.85	<0.67	1.3	--	43	<0.40	--	<0.19	<0.10
SDW 473-M01-12R	6/28/1999	<1.85	<0.67	1.1	--	59	<0.40	--	<0.19	<0.10
SDW 473-M01-13BU	6/28/1999	<1.85	<0.67	1.5	--	58	<0.40	--	<0.19	<0.10
SDW 473-M01-14BK	6/28/1999	<1.85	<0.67	1.5	--	78	<0.40	--	<0.19	<0.10
SDW 473-M01-15W	6/28/1999	<1.85	<0.67	1.8	--	99	<0.40	--	<0.19	<0.10
SDW 473-M01-01PT	6/13/2000	7.18	<0.11	1.3	0.0606	97	0.013	<0.02	<0.19	1.73
SDW 473-M01-01PT-X	6/13/2000	<1.85	<0.11	1.6	<0.007	<0.25	<0.009	<0.02	<0.19	0.07
SDW 473-M01-02GNT-X	6/13/2000	<1.85	<0.11	2.1	<0.007	<0.25	<0.009	<0.02	<0.19	0.06
SDW 473-M01-02GNT	6/13/2000	9.88	<0.11	2.1	0.1081	169	0.016	<0.02	<0.19	2.67
SDW 473-M01-02GNT-D	6/13/2000	9.82	<0.11	2.0	0.1060	166	0.015	<0.02	<0.19	2.63
SDW 473-M01-03RT	6/13/2000	<1.85	<0.11	1.4	0.0494	289	<0.009	<0.02	<0.19	0.10
SDW 473-M01-04BUT	6/13/2000	<1.85	<0.11	1.1	0.0351	193	<0.009	<0.02	<0.19	<0.10
SDW 473-M01-05BKT	6/13/2000	<1.85	<0.11	1.4	0.0983	169	<0.009	<0.02	<0.19	0.06
SDW 473-M01-06WT	6/13/2000	<1.85	<0.11	1.6	0.2548	119	<0.009	<0.02	<0.19	0.05
SDW 473-M01-07O	6/13/2000	<1.85	<0.11	3.2	0.2344	82	<0.009	0.02	<0.19	0.07

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
SDW 473-M01-08GY	6/13/2000	<1.85	<0.11	2.2	0.1742	106	<0.009	<0.02	<0.19	<0.10
SDW 473-M01-09Y	6/13/2000	<1.85	<0.11	2.0	0.0494	78	0.739	0.03	<0.19	<0.10
SDW 473-M01-10P	6/13/2000	<1.85	<0.11	1.1	0.0142	18	<0.009	<0.02	<0.19	<0.10
SDW 473-M01-11GN	6/13/2000	<1.85	<0.11	0.8	0.0318	38	<0.009	<0.02	<0.19	<0.10
SDW 473-M01-11GN	6/13/2000	<1.85	<0.11	0.8	0.0343	40	<0.009	<0.02	<0.19	<0.10
SDW 473-M01-12R	6/13/2000	<1.85	<0.11	1.4	0.0670	66	<0.009	<0.02	<0.19	<0.10
SDW 473-M01-13BU	6/13/2000	<1.85	<0.11	1.2	0.0422	68	<0.009	<0.02	<0.19	<0.10
SDW 473-M01-14BK	6/13/2000	<1.85	<0.11	1.4	0.0324	81	<0.009	<0.02	<0.19	<0.10
SDW 473-M01-15W	6/13/2000	<1.85	<0.11	1.6	0.0276	99	<0.009	<0.02	<0.19	<0.10
SDW 473-M01-01PT	8/13/2001	12.76	<0.11	1.2	0.0983	145	0.010	0.04	<0.19	1.12
SDW 473-M01-02GNT	8/13/2001	6.68	<0.11	1.7	0.0787	309	0.016	<0.02	<0.19	1.50
SDW 473-M01-03RT	8/13/2001	<1.85	<0.11	1.5	0.0400	218	<0.009	<0.02	<0.19	0.07
SDW 473-M01-03RT-D	8/13/2001	<1.85	<0.11	1.5	0.0385	228	<0.009	<0.02	<0.19	0.06
SDW 473-M01-04BUT	8/13/2001	<1.85	<0.11	1.1	0.0256	157	<0.009	<0.02	<0.19	<0.10
SDW 473-M01-05BKT	8/13/2001	<1.85	<0.11	1.5	0.0582	104	<0.009	<0.02	<0.19	<0.10
SDW 473-M01-06WT	8/13/2001	<1.85	<0.11	1.7	0.1428	69	<0.009	<0.02	<0.19	<0.10
SDW 473-M01-07O	8/13/2001	<1.85	<0.11	2.3	0.1306	50	<0.009	<0.02	<0.19	<0.10
SDW 473-M01-08GY	8/13/2001	<1.85	<0.11	3.2	0.1153	81	<0.009	<0.02	<0.19	<0.10
SDW 473-M01-09Y	8/13/2001	<1.85	<0.11	2.8	0.0627	73	<0.009	<0.02	<0.19	<0.10
SDW 473-M01-10P	8/13/2001	<1.85	<0.11	1.7	0.0309	30	<0.009	<0.02	<0.19	<0.10
SDW 473-M01-11GN	8/13/2001	<1.85	<0.11	1.2	0.0446	38	<0.009	<0.02	<0.19	<0.10
SDW 473-M01-12R	8/13/2001	<1.85	<0.11	1.2	0.0947	53	<0.009	<0.02	<0.19	<0.10
SDW 473-M01-13BU	8/13/2001	<1.85	<0.11	1.0	0.0374	45	<0.009	<0.02	<0.19	<0.10
SDW 473-M01-14BK	8/13/2001	<1.85	<0.11	1.4	0.0341	74	<0.009	<0.02	<0.19	<0.10
SDW 473-M01-15W	8/13/2001	<1.85	<0.11	1.7	0.0299	107	<0.009	<0.02	<0.19	<0.10

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
SDW 473-M01-01PT	6/6/2002	--	--	--	--	--	--	--	--	--
SDW 473-M01-02GNT	6/6/2002	2.80	<0.11	1.5	0.0591	215	0.013	<0.02	<0.19	0.91
SDW 473-M01-02GNT-X	6/6/2002	<1.85	<0.11	1.5	0.0020	<0.25	<0.009	<0.02	<0.19	0.06
SDW 473-M01-03RT	6/6/2002	<1.85	<0.11	1.0	0.0254	180	<0.009	<0.02	<0.19	<0.10
SDW 473-M01-04BUT	6/6/2002	<1.85	<0.11	0.9	0.0189	110	<0.009	<0.02	<0.19	<0.10
SDW 473-M01-05BKT	6/6/2002	<1.85	<0.11	1.1	0.0610	86	<0.009	<0.02	<0.19	<0.10
SDW 473-M01-05BKT-D	6/6/2002	<1.85	<0.11	1.1	0.0585	78	<0.009	<0.02	<0.19	<0.10
SDW 473-M01-06WT	6/6/2002	<1.85	<0.11	1.7	0.1507	63	<0.009	<0.02	<0.19	<0.10
SDW 473-M01-07O	6/6/2002	<1.85	<0.11	1.9	0.1305	53	<0.009	<0.02	<0.19	<0.10
SDW 473-M01-08GY	6/6/2002	<1.85	<0.11	2.4	0.1446	71	<0.009	<0.02	<0.19	<0.10
SDW 473-M01-09Y	6/6/2002	<1.85	<0.11	2.3	0.0841	107	<0.009	<0.02	<0.19	<0.10
SDW 473-M01-10P	6/6/2002	<1.85	<0.11	1.1	0.0709	96	<0.009	<0.02	<0.19	<0.10
SDW 473-M01-11GN	6/6/2002	<1.85	<0.11	0.7	0.0883	121	<0.009	<0.02	<0.19	<0.10
SDW 473-M01-12R	6/6/2002	<1.85	<0.11	0.7	0.0454	30	<0.009	<0.02	<0.19	<0.10
SDW 473-M01-13BU	6/6/2002	<1.85	<0.11	0.9	0.0375	50	<0.009	<0.02	<0.19	<0.10
SDW 473-M01-14BK	6/6/2002	<1.85	<0.11	1.2	0.0324	84	<0.009	<0.02	<0.19	<0.10
SDW 473-M01-15W	6/6/2002	<1.85	<0.11	1.4	0.0242	102	<0.009	<0.02	<0.19	<0.10
SDW 473-M01-01PT	5/16/2003	3.78	<0.11	1.3	0.0606	84	0.009	0.03	<0.19	0.48
SDW 473-M01-01PT-X	5/16/2003	<1.85	<0.11	1.3	0.0261	47	<0.009	<0.02	<0.19	0.25
SDW 473-M01-02GNT	5/16/2003	5.89	<0.11	1.9	0.0789	256	0.013	<0.02	<0.19	1.47
SDW 473-M01-02GNT-X	5/16/2003	5.24	<0.11	1.9	0.0623	99	<0.009	<0.02	<0.19	0.74
SDW 473-M01-03RT	5/16/2003	<1.85	<0.11	3.0	0.0507	472	<0.009	<0.02	<0.19	0.06
SDW 473-M01-03RT-D	5/16/2003	<1.85	<0.11	3.0	0.0505	465	<0.009	<0.02	<0.19	0.07
SDW 473-M01-04BUT	5/16/2003	<1.85	<0.11	1.1	0.0149	93	<0.009	<0.02	<0.19	<0.10

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
SDW 473-M01-05BKT	5/16/2003	<1.85	<0.11	1.0	0.0454	62	<0.009	<0.02	<0.19	<0.10
SDW 473-M01-06WT	5/16/2003	<1.85	<0.11	1.5	0.1539	74	<0.009	<0.02	<0.19	<0.10
SDW 473-M01-07O	5/16/2003	<1.85	<0.11	1.9	0.1924	66	<0.009	<0.02	<0.19	<0.10
SDW 473-M01-08GY	5/16/2003	<1.85	<0.11	2.1	0.1712	83	<0.009	<0.02	<0.19	<0.10
SDW 473-M01-09Y	5/16/2003	7.05	<0.11	2.4	0.1552	147	<0.009	<0.02	<0.19	<0.10
SDW 473-M01-10P	5/16/2003	<1.85	<0.11	1.4	0.1134	123	<0.009	<0.02	<0.19	<0.10
SDW 473-M01-11GN	5/16/2003	6.70	<0.11	1.6	0.1816	147	<0.009	<0.02	<0.19	<0.10
SDW 473-M01-12R	5/16/2003	<1.85	<0.11	0.9	0.0826	63	<0.009	<0.02	<0.19	<0.10
SDW 473-M01-13BU	5/16/2003	<1.85	<0.11	1.1	0.0473	67	<0.009	<0.02	<0.19	<0.10
SDW 473-M01-14BK	5/16/2003	<1.85	<0.11	1.4	0.0292	68	<0.009	<0.02	<0.19	<0.10
SDW 473-M01-14BK-D	5/16/2003	<1.85	<0.11	1.4	0.0284	68	<0.009	<0.02	<0.19	<0.10
SDW 473-M01-15W	5/16/2003	<1.85	<0.11	1.5	0.0212	85	<0.009	<0.02	<0.19	<0.10
SDW 473-M01-01PT	8/18/2004	<1.85	<0.11	1.9	0.4529	154	0.024	0.04	<0.19	0.71
SDW 473-M01-01PT-X	8/18/2004	<1.85	<0.11	2.7	0.0228	10	<0.009	<0.02	<0.19	0.18
SDW 473-M01-02GNT	8/18/2004	<1.85	<0.11	3.5	0.6788	249	<0.009	<0.02	<0.19	0.18
SDW 473-M01-02GNT-X	8/18/2004	<1.85	<0.11	2.0	<0.007	2	<0.009	<0.02	<0.19	0.07
SDW 473-M01-03RT	8/18/2004	<1.85	<0.11	1.8	0.3590	248	<0.009	<0.02	<0.19	0.05
SDW 473-M01-04BUT	8/18/2004	<1.85	<0.11	1.6	0.3644	137	<0.009	<0.02	<0.19	0.04
SDW 473-M01-05BKT	8/18/2004	<1.85	<0.11	0.9	0.0555	61	<0.009	<0.02	<0.19	<0.10
SDW 473-M01-06WT	8/18/2004	<1.85	<0.11	2.1	0.8302	56	<0.009	<0.02	<0.19	<0.10
SDW 473-M01-07O	8/18/2004	<1.85	<0.11	1.4	0.1181	46	<0.009	<0.02	<0.19	<0.10
SDW 473-M01-08GY	8/18/2004	<1.85	<0.11	2.7	0.6434	80	<0.009	<0.02	<0.19	<0.10
SDW 473-M01-08GY-D	8/18/2004	<1.85	<0.11	2.8	0.4435	80	<0.009	<0.02	<0.19	<0.10
SDW 473-M01-09Y	8/18/2004	<1.85	<0.11	2.6	0.4592	77	<0.009	<0.02	<0.19	<0.10
SDW 473-M01-10P	8/18/2004	<1.85	<0.11	2.0	0.4163	127	<0.009	<0.02	<0.19	<0.10

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
SDW 473-M01-11GN	8/18/2004	<1.85	<0.11	1.0	0.3103	129	<0.009	<0.02	<0.19	<0.10
SDW 473-M01-12R	8/18/2004	<1.85	<0.11	1.6	0.7572	143	<0.009	<0.02	<0.19	<0.10
SDW 473-M01-13BU	8/18/2004	<1.85	<0.11	1.9	0.4858	171	<0.009	<0.02	<0.19	<0.10
SDW 473-M01-14BK	8/18/2004	<1.85	<0.11	1.5	0.3952	208	<0.009	<0.02	<0.19	<0.10
SDW 473-M01-15W	8/18/2004	<1.85	<0.11	2.3	0.7038	127	<0.009	<0.02	<0.19	<0.10
SDW 474-M01-01PT	9/22/1995	--	--	--	--	--	--	--	--	--
SDW 474-M01-02GNT	9/22/1995	<1.85	--	1.1	--	136	--	--	<0.19	0.62
SDW 474-M01-03RT	9/22/1995	<1.85	--	0.6	--	79	--	--	<0.19	0.12
SDW 474-M01-04BUT	9/22/1995	<1.85	--	0.8	--	61	--	--	<0.19	<0.10
SDW 474-M01-05BKT	9/22/1995	<1.85	--	0.9	--	69	--	--	<0.19	<0.10
SDW 474-M01-06WT	9/22/1995	<1.85	--	2.2	--	101	--	--	<0.19	<0.10
SDW 474-M01-07O	9/22/1995	<1.85	--	3.3	--	95	--	--	<0.19	<0.10
SDW 474-M01-08GY	9/22/1995	<1.85	--	3.0	--	90	--	--	<0.19	<0.10
SDW 474-M01-09Y	9/22/1995	<1.85	--	2.2	--	58	--	--	<0.19	<0.10
SDW 474-M01-10P	9/22/1995	<1.85	--	1.1	--	65	--	--	<0.19	<0.10
SDW 474-M01-11GN	9/22/1995	<1.85	--	0.6	--	47	--	--	<0.19	<0.10
SDW 474-M01-12R	9/22/1995	<1.85	--	0.6	--	45	--	--	<0.19	<0.10
SDW 474-M01-13BU	9/22/1995	<1.85	--	0.9	--	45	--	--	<0.19	<0.10
SDW 474-M01-14BK	9/22/1995	<1.85	--	0.9	--	68	--	--	<0.19	<0.10
SDW 474-M01-15W	9/22/1995	<1.85	--	1.3	--	80	--	--	<0.19	<0.10
SDW 474-M01-01PT	11/30/1995	--								
SDW 474-M01-02GNT	11/30/1995	3.88	--	2.5	--	193	--	--	<0.19	0.96
SDW 474-M01-03RT	11/30/1995	<1.85	--	1.3	--	88	--	--	<0.19	0.24
SDW 474-M01-04BUT	11/30/1995	<1.85	--	0.9	--	64	--	--	<0.19	0.11

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
SDW 474-M01-05BKT	11/30/1995	<1.85	--	1.2	--	62	--	--	<0.19	<0.10
SDW 474-M01-06WT	11/30/1995	<1.85	--	2.8	--	89	--	--	<0.19	0.10
SDW 474-M01-07O	11/30/1995	<1.85	--	3.5	--	119	--	--	<0.19	<0.10
SDW 474-M01-08GY	11/30/1995	<1.85	--	3.1	--	131	--	--	<0.19	<0.10
SDW 474-M01-09Y	11/30/1995	<1.85	--	1.7	--	52	--	--	<0.19	<0.10
SDW 474-M01-10P	11/30/1995	<1.85	--	1.2	--	58	--	--	<0.19	<0.10
SDW 474-M01-11GN	11/30/1995	<1.85	--	0.6	--	47	--	--	<0.19	<0.10
SDW 474-M01-12R	11/30/1995	<1.85	--	0.6	--	43	--	--	<0.19	<0.10
SDW 474-M01-13BU	11/30/1995	<1.85	--	1.0	--	47	--	--	<0.19	<0.10
SDW 474-M01-14BK	11/30/1995	<1.85	--	1.1	--	66	--	--	<0.19	<0.10
SDW 474-M01-15W	11/30/1995	<1.85	--	1.8	--	82	--	--	<0.19	<0.10
SDW 474-M01-01PT	1/26/1996	--	--	--	--	--	--	--	--	--
SDW 474-M01-02GNT	1/26/1996	3.20	--	1.4	--	144	--	--	<0.19	0.90
SDW 474-M01-03RT	1/26/1996	2.16	--	1.0	--	117	--	--	<0.19	0.34
SDW 474-M01-04BUT	1/26/1996	<1.85	--	1.1	--	68	--	--	<0.19	0.18
SDW 474-M01-05BKT	1/26/1996	<1.85	--	0.8	--	53	--	--	<0.19	0.13
SDW 474-M01-06WT	1/26/1996	<1.85	--	1.9	--	69	--	--	<0.19	0.11
SDW 474-M01-07O	1/26/1996	<1.85	--	2.0	--	71	--	--	<0.19	0.11
SDW 474-M01-08GY	1/26/1996	<1.85	--	2.3	--	94	--	--	<0.19	<0.10
SDW 474-M01-08GY-D	1/26/1996	<1.85	--	2.2	--	92	--	--	<0.19	<0.10
SDW 474-M01-09Y	1/26/1996	<1.85	--	1.4	--	80	--	--	<0.19	<0.10
SDW 474-M01-10P	1/26/1996	<1.85	--	1.0	--	99	--	--	<0.19	<0.10
SDW 474-M01-11GN	1/26/1996	<1.85	--	0.6	--	58	--	--	<0.19	<0.10
SDW 474-M01-12R	1/26/1996	<1.85	--	0.7	--	48	--	--	<0.19	<0.10
SDW 474-M01-13BU	1/26/1996	<1.85	--	0.9	--	45	--	--	<0.19	<0.10

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
SDW 474-M01-14BK	1/26/1996	<1.85	--	1.3	--	63	--	--	<0.19	<0.10
SDW 474-M01-15W	1/26/1996	<1.85	--	0.8	--	82	--	--	<0.19	<0.10
SDW 474-M01-01PT	3/22/1996	<1.85	--	2.3	--	144	--	--	<0.19	0.16
SDW 474-M01-02GNT	3/22/1996	2.00	--	2.3	--	117	--	--	<0.19	0.63
SDW 474-M01-03RT	3/22/1996	<1.85	--	1.8	--	77	--	--	<0.19	0.14
SDW 474-M01-04BUT	3/22/1996	<1.85	--	1.4	--	80	--	--	<0.19	<0.10
SDW 474-M01-05BKT	3/22/1996	2.05	--	1.2	--	92	--	--	<0.19	<0.10
SDW 474-M01-06WT	3/22/1996	<1.85	--	1.9	--	71	--	--	<0.19	<0.10
SDW 474-M01-07O	3/22/1996	<1.85	--	3.4	--	99	--	--	<0.19	<0.10
SDW 474-M01-08GY	3/22/1996	<1.85	--	2.4	--	99	--	--	<0.19	<0.10
SDW 474-M01-09Y	3/22/1996	<1.85	--	2.2	--	89	--	--	<0.19	<0.10
SDW 474-M01-09Y-D	3/22/1996	<1.85	--	2.2	--	87	--	--	<0.19	<0.10
SDW 474-M01-10P	3/22/1996	<1.85	--	1.6	--	115	--	--	<0.19	<0.10
SDW 474-M01-11GN	3/22/1996	<1.85	--	0.8	--	69	--	--	<0.19	<0.10
SDW 474-M01-12R	3/22/1996	<1.85	--	0.6	--	49	--	--	<0.19	<0.10
SDW 474-M01-13BU	3/22/1996	<1.85	--	1.0	--	46	--	--	<0.19	<0.10
SDW 474-M01-14BK	3/22/1996	<1.85	--	1.5	--	65	--	--	<0.19	<0.10
SDW 474-M01-15W	3/22/1996	<1.85	--	1.5	--	87	--	--	<0.19	<0.10
SDW 474-M01-01PT	5/16/1996	<1.85	--	2.1	--	184	--	--	<0.19	0.47
SDW 474-M01-02GNT	5/16/1996	3.37	--	2.0	--	165	--	--	<0.19	0.62
SDW 474-M01-02GNT-D	5/16/1996	3.37	--	2.0	--	164	--	--	<0.19	0.61
SDW 474-M01-03RT	5/16/1996	3.31	--	3.4	--	111	--	--	<0.19	0.17
SDW 474-M01-04BUT	5/16/1996	2.49	--	2.2	--	86	--	--	<0.19	<0.10
SDW 474-M01-05BKT	5/16/1996	2.07	--	0.9	--	84	--	--	<0.19	<0.10

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
SDW 474-M01-06WT	5/16/1996	<1.85	--	2.0	--	78	--	--	<0.19	<0.10
SDW 474-M01-07O	5/16/1996	<1.85	--	4.0	--	86	--	--	<0.19	<0.10
SDW 474-M01-08GY	5/16/1996	<1.85	--	3.1	--	99	--	--	<0.19	<0.10
SDW 474-M01-09Y	5/16/1996	<1.85	--	1.9	--	85	--	--	<0.19	<0.10
SDW 474-M01-10P	5/16/1996	<1.85	--	1.3	--	151	--	--	<0.19	<0.10
SDW 474-M01-11GN	5/16/1996	<1.85	--	0.7	--	87	--	--	<0.19	<0.10
SDW 474-M01-11GN-D	5/16/1996	<1.85	--	1.0	--	103	--	--	<0.19	<0.10
SDW 474-M01-12R	5/16/1996	<1.85	--	0.9	--	53	--	--	<0.19	<0.10
SDW 474-M01-13BU	5/16/1996	<1.85	--	0.9	--	50	--	--	<0.19	<0.10
SDW 474-M01-14BK	5/16/1996	<1.85	--	1.4	--	66	--	--	<0.19	<0.10
SDW 474-M01-15W	5/16/1996	<1.85	--	1.3	--	94	--	--	<0.19	<0.10
SDW 474-M01-01PT	7/30/1996	1.93	--	2.6	--	176	--	--	<0.19	0.76
SDW 474-M01-02GNT	7/30/1996	2.78	--	1.3	--	139	--	--	<0.19	0.44
SDW 474-M01-02GNT-D	7/30/1996	3.02	--	1.2	--	142	--	--	<0.19	0.48
SDW 474-M01-03RT	7/30/1996	3.12	--	1.6	--	95	--	--	<0.19	0.15
SDW 474-M01-04BUT	7/30/1996	2.17	--	1.2	--	73	--	--	<0.19	<0.10
SDW 474-M01-05BKT	7/30/1996	1.99	--	1.2	--	78	--	--	<0.19	<0.10
SDW 474-M01-06WT	7/30/1996	2.02	--	1.6	--	86	--	--	<0.19	<0.10
SDW 474-M01-07O	7/30/1996	<1.85	--	3.7	--	94	--	--	<0.19	<0.10
SDW 474-M01-08GY	7/30/1996	<1.85	--	3.6	--	118	--	--	<0.19	<0.10
SDW 474-M01-09Y	7/30/1996	<1.85	--	1.8	--	68	--	--	<0.19	<0.10
SDW 474-M01-10P	7/30/1996	<1.85	--	1.3	--	82	--	--	<0.19	<0.10
SDW 474-M01-11GN	7/30/1996	<1.85	--	1.1	--	74	--	--	<0.19	<0.10
SDW 474-M01-11GN-D	7/30/1996	<1.85	--	0.9	--	76	--	--	<0.19	<0.10
SDW 474-M01-12R	7/30/1996	<1.85	--	1.1	--	55	--	--	<0.19	<0.10

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
SDW 474-M01-13BU	7/30/1996	<1.85	--	1.5	--	55	--	--	<0.19	<0.10
SDW 474-M01-14BK	7/30/1996	<1.85	--	1.6	--	74	--	--	<0.19	<0.10
SDW 474-M01-15W	7/30/1996	<1.85	--	1.6	--	92	--	--	<0.19	<0.10
SDW 474-M01-01PT	11/7/1996	4.60	<0.67	2.1	--	172	0.049	--	<0.19	1.47
SDW 474-M01-02GNT	11/7/1996	4.73	<0.67	2.2	--	168	<0.40	--	<0.19	0.80
SDW 474-M01-03RT	11/7/1996	2.87	<0.67	1.1	--	69	<0.40	--	<0.19	0.19
SDW 474-M01-04BUT	11/7/1996	<1.85	<0.67	0.8	--	47	<0.40	--	<0.19	<0.10
SDW 474-M01-05BKT	11/7/1996	<1.85	<0.67	0.7	--	50	<0.40	--	<0.19	<0.10
SDW 474-M01-06WT	11/7/1996	<1.85	<0.67	0.8	--	96	<0.40	--	<0.19	<0.10
SDW 474-M01-07O	11/7/1996	<1.85	<0.67	3.0	--	88	<0.40	--	<0.19	<0.10
SDW 474-M01-07O-D	11/7/1996	<1.85	<0.67	3.1	--	81	<0.40	--	<0.19	<0.10
SDW 474-M01-08GY	11/7/1996	<1.85	<0.67	4.0	--	115	<0.40	--	<0.19	<0.10
SDW 474-M01-09Y	11/7/1996	<1.85	<0.67	1.6	--	61	<0.40	--	<0.19	<0.10
SDW 474-M01-10P	11/7/1996	<1.85	<0.67	0.4	--	64	<0.40	--	<0.19	<0.10
SDW 474-M01-11GN	11/7/1996	<1.85	<0.67	0.6	--	66	0.044	--	<0.19	<0.10
SDW 474-M01-12R	11/7/1996	<1.85	<0.67	0.8	--	48	<0.40	--	<0.19	<0.10
SDW 474-M01-13BU	11/7/1996	<1.85	<0.67	0.9	--	47	<0.40	--	<0.19	<0.10
SDW 474-M01-14BK	11/7/1996	<1.85	<0.67	0.9	--	63	<0.40	--	<0.19	<0.10
SDW 474-M01-15W	11/7/1996	<1.85	<0.67	1.1	--	96	<0.40	--	<0.19	<0.10
SDW 474-M01-01PT	5/8/1997	4.53	--	1.6	--	112	--	--	<0.19	0.85
SDW 474-M01-02GNT	5/8/1997	2.77	--	0.7	--	91	--	--	<0.19	0.38
SDW 474-M01-03RT	5/8/1997	3.19	--	0.5	--	69	--	--	<0.19	<0.10
SDW 474-M01-04BUT	5/8/1997	2.95	--	0.5	--	68	--	--	<0.19	<0.10
SDW 474-M01-05BKT	5/8/1997	2.67	--	0.6	--	73	--	--	<0.19	<0.10

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
SDW 474-M01-06WT	5/8/1997	<1.85	--	1.1	--	102	--	--	<0.19	<0.10
SDW 474-M01-06WT-D	5/8/1997	<1.85	--	1.3	--	102	--	--	<0.19	<0.10
SDW 474-M01-07O	5/8/1997	<1.85	--	2.1	--	118	--	--	<0.19	<0.10
SDW 474-M01-08GY	5/8/1997	<1.85	--	3.4	--	109	--	--	<0.19	<0.10
SDW 474-M01-09Y	5/8/1997	<1.85	--	2.3	--	72	--	--	<0.19	<0.10
SDW 474-M01-10P	5/8/1997	<1.85	--	1.2	--	91	--	--	<0.19	<0.10
SDW 474-M01-11GN	5/8/1997	<1.85	--	0.4	--	65	--	--	<0.19	<0.10
SDW 474-M01-12R	5/8/1997	<1.85	--	0.7	--	45	--	--	<0.19	<0.10
SDW 474-M01-13BU	5/8/1997	<1.85	--	0.5	--	49	--	--	<0.19	<0.10
SDW 474-M01-14BK	5/8/1997	<1.85	--	1.0	--	72	--	--	<0.19	<0.10
SDW 474-M01-15W	5/8/1997	<1.85	--	1.5	--	96	--	--	<0.19	<0.10
SDW 474-M01-15W-D	5/8/1997	<1.85	--	1.4	--	94	--	--	<0.19	<0.10
SDW 474-M01-01PT	8/14/1997	11.62	<0.67	2.0	--	157	0.044	--	<0.19	1.75
SDW 474-M01-02GNT	8/14/1997	2.16	<0.67	0.3	--	86	<0.40	--	<0.19	0.32
SDW 474-M01-03RT	8/14/1997	2.80	<0.67	0.3	--	60	<0.40	--	<0.19	0.12
SDW 474-M01-04BUT	8/14/1997	1.95	<0.67	0.4	--	43	<0.40	--	<0.19	<0.10
SDW 474-M01-05BKT	8/14/1997	<1.85	<0.67	<0.30	--	42	<0.40	--	<0.19	<0.10
SDW 474-M01-06WT	8/14/1997	<1.85	<0.67	0.3	--	94	<0.40	--	<0.19	<0.10
SDW 474-M01-07O	8/14/1997	<1.85	<0.67	2.1	--	97	<0.40	--	<0.19	<0.10
SDW 474-M01-07O-D	8/14/1997	<1.85	<0.67	2.5	--	97	<0.40	--	<0.19	<0.10
SDW 474-M01-08GY	8/14/1997	<1.85	<0.67	3.6	--	94	<0.40	--	<0.19	<0.10
SDW 474-M01-09Y	8/14/1997	<1.85	<0.67	1.4	--	45	<0.40	--	<0.19	<0.10
SDW 474-M01-10P	8/14/1997	<1.85	<0.67	1.4	--	51	<0.40	--	<0.19	<0.10
SDW 474-M01-11GN	8/14/1997	<1.85	<0.67	0.5	--	43	<0.40	--	<0.19	<0.10
SDW 474-M01-12R	8/14/1997	<1.85	<0.67	0.3	--	45	<0.40	--	<0.19	<0.10

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
SDW 474-M01-13BU	8/14/1997	<1.85	<0.67	0.6	--	52	<0.40	--	<0.19	<0.10
SDW 474-M01-14BK	8/14/1997	<1.85	<0.67	0.6	--	86	<0.40	--	<0.19	<0.10
SDW 474-M01-15W	8/14/1997	<1.85	<0.67	0.8	--	94	<0.40	--	<0.19	<0.10
SDW 474-M01-01PT	10/30/1997	9.02	<0.67	1.0	--	85	0.068	--	<0.19	1.63
SDW 474-M01-02GNT	10/30/1997	1.87	<0.67	0.6	--	79	<0.40	--	<0.19	0.29
SDW 474-M01-03RT	10/30/1997	1.93	<0.67	0.7	--	39	<0.40	--	<0.19	<0.10
SDW 474-M01-04BUT	10/30/1997	<1.85	<0.67	0.8	--	34	<0.40	--	<0.19	<0.10
SDW 474-M01-05BKT	10/30/1997	<1.85	<0.67	0.7	--	35	<0.40	--	<0.19	<0.10
SDW 474-M01-06WT	10/30/1997	<1.85	<0.67	1.2	--	73	<0.40	--	<0.19	<0.10
SDW 474-M01-07O	10/30/1997	<1.85	<0.67	1.8	--	75	<0.40	--	<0.19	<0.10
SDW 474-M01-07O-D	10/30/1997	<1.85	<0.67	1.5	--	75	<0.40	--	<0.19	<0.10
SDW 474-M01-08GY	10/30/1997	<1.85	<0.67	3.5	--	79	<0.40	--	<0.19	<0.10
SDW 474-M01-09Y	10/30/1997	<1.85	<0.67	1.1	--	59	<0.40	--	<0.19	<0.10
SDW 474-M01-10P	10/30/1997	<1.85	<0.67	1.0	--	27	<0.40	--	<0.19	<0.10
SDW 474-M01-11GN	10/30/1997	<1.85	<0.67	0.6	--	40	<0.40	--	<0.19	<0.10
SDW 474-M01-12R	10/30/1997	<1.85	<0.67	0.4	--	43	<0.40	--	<0.19	<0.10
SDW 474-M01-13BU	10/30/1997	<1.85	<0.67	0.8	--	50	<0.40	--	<0.19	<0.10
SDW 474-M01-14BK	10/30/1997	<1.85	<0.67	1.5	--	82	<0.40	--	<0.19	<0.10
SDW 474-M01-15W	10/30/1997	<1.85	<0.67	1.1	--	76	<0.40	--	<0.19	<0.10
SDW 474-M01-01PT	5/18/1998	30.24	<0.67	1.9	--	333	0.053	--	<0.19	4.13
SDW 474-M01-02GNT	5/18/1998	5.64	<0.67	<0.30	--	133	<0.40	--	<0.19	0.73
SDW 474-M01-03RT	5/18/1998	3.06	<0.67	<0.30	--	51	<0.40	--	<0.19	0.15
SDW 474-M01-04BUT	5/18/1998	2.65	<0.67	<0.30	--	44	<0.40	--	<0.19	<0.10
SDW 474-M01-05BKT	5/18/1998	<1.85	<0.67	<0.30	--	47	<0.40	--	<0.19	<0.10

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
SDW 474-M01-05BKT-D	5/18/1998	<1.85	<0.67	0.5	--	47	<0.40	--	<0.19	<0.10
SDW 474-M01-06WT	5/18/1998	<1.85	<0.67	0.7	--	42	<0.40	--	<0.19	<0.10
SDW 474-M01-07O	5/18/1998	<1.85	<0.67	1.0	--	97	<0.40	--	<0.19	<0.10
SDW 474-M01-08GY	5/18/1998	<1.85	<0.67	2.5	--	99	<0.40	--	<0.19	<0.10
SDW 474-M01-09Y	5/18/1998	<1.85	<0.67	2.1	--	77	<0.40	--	<0.19	<0.10
SDW 474-M01-10P	5/18/1998	<1.85	<0.67	<0.30	--	48	<0.40	--	<0.19	<0.10
SDW 474-M01-11GN	5/18/1998	<1.85	<0.67	<0.30	--	49	<0.40	--	<0.19	<0.10
SDW 474-M01-12R	5/18/1998	<1.85	<0.67	<0.30	--	47	<0.40	--	<0.19	<0.10
SDW 474-M01-13BU	5/18/1998	<1.85	<0.67	0.6	--	56	<0.40	--	<0.19	<0.10
SDW 474-M01-14BK	5/18/1998	<1.85	<0.67	0.8	--	90	<0.40	--	<0.19	<0.10
SDW 474-M01-14BK-D	5/18/1998	<1.85	<0.67	1.1	--	91	<0.40	--	<0.19	<0.10
SDW 474-M01-15W	5/18/1998	<1.85	<0.67	0.7	--	80	<0.40	--	<0.19	<0.10
SDW 474-M01-01PT	11/4/1998	12.12	<0.67	1.4	--	84	0.044	<0.25	<0.19	1.73
SDW 474-M01-02GNT	11/4/1998	2.73	<0.67	1.2	--	88	<0.40	<0.25	<0.19	0.26
SDW 474-M01-03RT	11/4/1998	3.55	<0.67	1.1	--	54	<0.40	<0.25	<0.19	<0.10
SDW 474-M01-04BUT	11/4/1998	<1.85	<0.67	1.1	--	34	<0.40	<0.25	<0.19	<0.10
SDW 474-M01-05BKT	11/4/1998	<1.85	<0.67	1.0	--	26	<0.40	<0.25	<0.19	<0.10
SDW 474-M01-05BKT-D	11/4/1998	<1.85	<0.67	1.2	--	28	<0.40	<0.25	<0.19	<0.10
SDW 474-M01-06WT	11/4/1998	<1.85	<0.67	0.8	--	60	<0.40	<0.25	<0.19	<0.10
SDW 474-M01-07O	11/4/1998	<1.85	<0.67	1.6	--	117	<0.40	<0.25	<0.19	<0.10
SDW 474-M01-08GY	11/4/1998	<1.85	<0.67	2.0	--	98	<0.40	<0.25	<0.19	<0.10
SDW 474-M01-09Y	11/4/1998	<1.85	<0.67	2.9	--	108	<0.40	<0.25	<0.19	<0.10
SDW 474-M01-10P	11/4/1998	<1.85	<0.67	2.7	--	168	<0.40	<0.25	<0.19	<0.10
SDW 474-M01-11GN	11/4/1998	<1.85	<0.67	2.3	--	176	<0.40	<0.25	<0.19	<0.10
SDW 474-M01-12R	11/4/1998	<1.85	<0.67	0.7	--	54	<0.40	<0.25	<0.19	<0.10

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
SDW 474-M01-13BU	11/4/1998	<1.85	<0.67	1.0	--	65	<0.40	<0.25	<0.19	<0.10
SDW 474-M01-14BK	11/4/1998	<1.85	<0.67	1.4	--	99	<0.40	<0.25	<0.19	<0.10
SDW 474-M01-14BK-D	11/4/1998	<1.85	<0.67	1.9	--	99	<0.40	<0.25	<0.19	<0.10
SDW 474-M01-15W	11/4/1998	<1.85	<0.67	1.2	--	80	<0.40	<0.25	<0.19	<0.10
SDW 474-M01-01PT	6/16/1999	10.77	<0.67	1.7	--	93	<0.40	--	<0.19	1.74
SDW 474-M01-01PT-D	6/16/1999	10.23	<0.67	1.6	--	92	<0.40	--	<0.19	1.71
SDW 474-M01-02GNT	6/16/1999	<1.85	<0.67	0.8	--	77	<0.40	--	<0.19	0.22
SDW 474-M01-03RT	6/16/1999	5.62	<0.67	0.8	--	75	<0.40	--	<0.19	0.15
SDW 474-M01-04BUT	6/16/1999	3.95	<0.67	1.1	--	54	<0.40	--	<0.19	<0.10
SDW 474-M01-05BKT	6/16/1999	<1.85	<0.67	1.1	--	50	<0.40	--	<0.19	<0.10
SDW 474-M01-06WT	6/16/1999	<1.85	<0.67	1.5	--	99	<0.40	--	<0.19	<0.10
SDW 474-M01-07O	6/16/1999	<1.85	<0.67	2.5	--	113	<0.40	--	<0.19	<0.10
SDW 474-M01-07O-D	6/16/1999	<1.85	<0.67	2.2	--	102	<0.40	--	<0.19	<0.10
SDW 474-M01-08GY	6/16/1999	<1.85	<0.67	3.3	--	104	<0.40	--	<0.19	<0.10
SDW 474-M01-09Y	6/16/1999	<1.85	<0.67	3.6	--	93	<0.40	--	<0.19	<0.10
SDW 474-M01-10P	6/16/1999	<1.85	<0.67	3.3	--	67	<0.40	--	<0.19	<0.10
SDW 474-M01-11GN	6/16/1999	<1.85	<0.67	2.0	--	121	<0.40	--	<0.19	<0.10
SDW 474-M01-12R	6/16/1999	<1.85	<0.67	0.9	--	81	<0.40	--	<0.19	<0.10
SDW 474-M01-13BU	6/16/1999	<1.85	<0.67	1.1	--	53	<0.40	--	<0.19	<0.10
SDW 474-M01-13BU-D	6/16/1999	<1.85	<0.67	1.2	--	51	<0.40	--	<0.19	<0.10
SDW 474-M01-14BK	6/16/1999	<1.85	<0.67	1.7	--	86	<0.40	--	<0.19	<0.10
SDW 474-M01-15W	6/16/1999	<1.85	<0.67	1.3	--	80	<0.40	--	<0.19	<0.10
SDW 474-M01-01PT	6/12/2000	33.26	<0.11	3.2	0.3199	301	0.035	<0.02	<0.19	3.53
SDW 474-M01-01PT-X	6/12/2000	<1.85	<0.11	3.0	0.0186	59	<0.009	<0.02	<0.19	0.14

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
SDW 474-M01-02GNT	6/12/2000	<1.85	<0.11	0.6	0.0141	90	<0.009	<0.02	<0.19	0.16
SDW 474-M01-02GNT-X	6/12/2000	<1.85	<0.11	0.7	0.0019	6	<0.009	<0.02	<0.19	<0.03
SDW 474-M01-03RT	6/12/2000	7.37	<0.11	0.5	0.0328	82	<0.009	<0.02	<0.19	0.14
SDW 474-M01-04BUT	6/12/2000	9.85	<0.11	1.0	0.0749	101	0.012	<0.02	<0.19	<0.03
SDW 474-M01-05BKT	6/12/2000	4.10	<0.11	1.1	0.2288	86	<0.009	<0.02	<0.19	<0.03
SDW 474-M01-05BKT-X	6/12/2000	<1.85	<0.11	1.2	<0.007	2	<0.009	<0.02	<0.19	<0.03
SDW 474-M01-06WT	6/12/2000	<1.85	<0.11	1.2	0.3625	121	<0.009	<0.02	<0.19	<0.03
SDW 474-M01-06WT-D	6/12/2000	2.07	<0.11	1.2	0.3944	129	<0.009	<0.02	<0.19	<0.03
SDW 474-M01-07O	6/12/2000	<1.85	<0.11	3.1	0.1583	61	<0.009	<0.02	<0.19	<0.03
SDW 474-M01-08GY	6/12/2000	<1.85	<0.11	3.4	0.0660	49	<0.009	<0.02	<0.19	<0.03
SDW 474-M01-09Y	6/12/2000	<1.85	<0.11	2.4	0.0729	62	<0.009	<0.02	<0.19	<0.03
SDW 474-M01-10P	6/12/2000	<1.85	<0.11	1.7	0.0473	37	<0.009	<0.02	<0.19	<0.03
SDW 474-M01-11GN	6/12/2000	<1.85	<0.11	<0.46	0.0395	38	<0.009	<0.02	<0.19	<0.03
SDW 474-M01-12R	6/12/2000	<1.85	<0.11	0.5	0.0373	54	<0.009	<0.02	<0.19	<0.03
SDW 474-M01-13BU	6/12/2000	<1.85	<0.11	1.2	0.0744	82	<0.009	<0.02	<0.19	<0.03
SDW 474-M01-14BK	6/12/2000	<1.85	<0.11	1.3	0.0515	87	<0.009	<0.02	<0.19	<0.03
SDW 474-M01-15W	6/12/2000	<1.85	<0.11	0.6	0.0218	63	<0.009	<0.02	<0.19	<0.03
SDW 474-M01-02GNT	6/17/2002	2.27	<0.11	1.2	0.0225	119	<0.009	<0.02	<0.19	0.29
SDW 474-M01-02GNT-X	6/17/2002	<1.85	<0.11	1.2	<0.007	<0.25	<0.009	<0.02	<0.19	0.06
SDW 474-M01-03RT	6/17/2002	7.00	<0.11	0.7	0.0424	87	<0.009	0.05	<0.19	0.14
SDW 474-M01-04BUT	6/17/2002	5.44	<0.11	0.7	0.0763	73	0.011	0.04	<0.19	<0.03
SDW 474-M01-05BKT	6/17/2002	4.15	<0.11	0.9	0.3597	96	<0.009	0.05	<0.19	<0.03
SDW 474-M01-05BKT-X	6/17/2002	<1.85	<0.11	0.9	<0.007	<0.25	<0.009	<0.02	<0.19	<0.03
SDW 474-M01-06WT	6/17/2002	1.71	<0.11	1.1	0.4977	123	<0.009	0.03	<0.19	<0.03
SDW 474-M01-07O	6/17/2002	<1.85	<0.11	1.6	0.2161	52	<0.009	0.09	<0.19	<0.03

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
SDW 474-M01-08GY	6/17/2002	<1.85	<0.11	1.5	0.0873	62	<0.009	<0.02	<0.19	<0.03
SDW 474-M01-09Y	6/17/2002	<1.85	<0.11	1.4	0.1307	94	<0.009	<0.02	<0.19	<0.03
SDW 474-M01-10P	6/17/2002	<1.85	<0.11	1.1	0.1611	135	<0.009	<0.02	<0.19	<0.03
SDW 474-M01-11GN	6/17/2002	<1.85	<0.11	0.7	0.1188	112	<0.009	<0.02	<0.19	<0.03
SDW 474-M01-12R	6/17/2002	<1.85	<0.11	0.6	0.0565	80	<0.009	<0.02	<0.19	<0.03
SDW 474-M01-12R-D	6/17/2002	<1.85	<0.11	0.6	0.0568	79	<0.009	<0.02	<0.19	<0.03
SDW 474-M01-13BU	6/17/2002	<1.85	<0.11	0.7	0.0591	57	<0.009	<0.02	<0.19	<0.03
SDW 474-M01-14BK	6/17/2002	<1.85	<0.11	1.0	0.0517	83	<0.009	<0.02	<0.19	<0.03
SDW 474-M01-15W	6/17/2002	<1.85	<0.11	1.0	0.0245	87	<0.009	<0.02	<0.19	<0.03
SDW 474-M01-01PT	5/30/2003	6.15	<0.11	1.6	0.0952	133	0.010	<0.02	<0.19	0.63
SDW 474-M01-01PT-X	5/30/2003	5.69	<0.11	1.6	0.0382	62	<0.009	<0.02	<0.19	0.35
SDW 474-M01-02GNT	5/30/2003	<1.85	<0.11	1.0	0.0214	103	<0.009	<0.02	<0.19	0.33
SDW 474-M01-02GNT-X	5/30/2003	<1.85	<0.11	1.0	0.0073	45	<0.009	<0.02	<0.19	0.18
SDW 474-M01-03RT	5/30/2003	4.93	<0.11	0.7	0.0263	63	<0.009	0.04	<0.19	0.08
SDW 474-M01-04BUT	5/30/2003	6.93	<0.11	0.8	0.0817	77	0.011	0.04	<0.19	<0.03
SDW 474-M01-05BKT	5/30/2003	4.83	<0.11	1.0	0.3616	103	0.011	0.06	<0.19	<0.03
SDW 474-M01-05BKT-D	5/30/2003	4.87	<0.11	1.0	0.3628	103	0.011	0.06	<0.19	<0.03
SDW 474-M01-05BKT-X	5/30/2003	4.25	<0.11	1.0	0.0766	26	<0.009	<0.02	<0.19	<0.03
SDW 474-M01-05BKT-X-D	5/30/2003	4.19	<0.11	1.0	0.1045	34	<0.009	<0.02	<0.19	<0.03
SDW 474-M01-06WT	5/30/2003	<1.85	<0.11	1.1	0.5649	136	<0.009	0.03	<0.19	<0.03
SDW 474-M01-07O	5/30/2003	<1.85	<0.11	1.8	0.2301	59	<0.009	0.09	<0.19	<0.03
SDW 474-M01-08GY	5/30/2003	<1.85	<0.11	1.9	0.1903	99	<0.009	<0.02	<0.19	<0.03
SDW 474-M01-09Y	5/30/2003	<1.85	<0.11	1.6	0.2571	175	<0.009	<0.02	<0.19	<0.03
SDW 474-M01-10P	5/30/2003	<1.85	<0.11	1.4	0.1533	110	<0.009	<0.02	<0.19	<0.03
SDW 474-M01-10P-D	5/30/2003	<1.85	<0.11	1.3	0.1539	112	<0.009	<0.02	<0.19	<0.03

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
SDW 474-M01-11GN	5/30/2003	<1.85	<0.11	0.8	0.1793	161	<0.009	<0.02	<0.19	<0.03
SDW 474-M01-12R	5/30/2003	<1.85	<0.11	0.7	0.0826	95	<0.009	<0.02	<0.19	<0.03
SDW 474-M01-13BU	5/30/2003	<1.85	<0.11	0.7	0.1335	111	<0.009	<0.02	<0.19	<0.03
SDW 474-M01-14BK	5/30/2003	<1.85	<0.11	0.8	0.0864	116	<0.009	<0.02	<0.19	<0.03
SDW 474-M01-15W	5/30/2003	<1.85	<0.11	0.8	0.0374	136	<0.009	<0.02	<0.19	<0.03
SDW 474-M01-01PT	8/26/2004	4.71	<0.11	1.9	0.3561	125	<0.009	<0.02	<0.19	0.86
SDW 474-M01-01PT-X	8/26/2004	4.37	<0.11	1.4	0.0089	7	<0.009	<0.02	<0.19	0.12
SDW 474-M01-02GNT	8/26/2004	<1.85	<0.11	1.9	0.9613	97	<0.009	<0.02	<0.19	0.09
SDW 474-M01-02GNT-X	8/26/2004	<1.85	<0.11	1.1	<0.007	5	<0.009	<0.02	<0.19	0.04
SDW 474-M01-03RT	8/26/2004	<1.85	<0.11	1.8	0.4110	64	<0.009	0.04	<0.19	0.14
SDW 474-M01-04BUT	8/26/2004	<1.85	<0.11	1.8	0.8111	65	<0.009	<0.02	<0.19	<0.03
SDW 474-M01-05BKT	8/26/2004	<1.85	<0.11	1.9	1.1560	31	<0.009	<0.02	<0.19	<0.03
SDW 474-M01-05BKT-X	8/26/2004	<1.85	<0.11	1.2	<0.007	1	<0.009	<0.02	<0.19	<0.03
SDW 474-M01-06WT	8/26/2004	<1.85	<0.11	1.0	0.2235	49	<0.009	<0.02	<0.19	<0.03
SDW 474-M01-07O	8/26/2004	<1.85	<0.11	1.9	0.8875	44	<0.009	0.06	<0.19	<0.03
SDW 474-M01-08GY	8/26/2004	<1.85	<0.11	2.3	0.8932	28	<0.009	<0.02	<0.19	<0.03
SDW 474-M01-09Y	8/26/2004	<1.85	<0.11	3.3	1.8461	31	<0.009	<0.02	<0.19	<0.03
SDW 474-M01-09Y-D	8/26/2004	<1.85	<0.11	3.1	1.5404	30	<0.009	<0.02	<0.19	<0.03
SDW 474-M01-10P	8/26/2004	<1.85	<0.11	2.1	0.6287	52	<0.009	<0.02	<0.19	<0.03
SDW 474-M01-11GN	8/26/2004	<1.85	<0.11	1.6	0.5145	133	<0.009	<0.02	<0.19	<0.03
SDW 474-M01-12R	8/26/2004	<1.85	<0.11	1.4	0.3691	121	<0.009	<0.02	<0.19	<0.03
SDW 474-M01-13BU	8/26/2004	<1.85	<0.11	1.4	0.5830	179	<0.009	<0.02	<0.19	0.04
SDW 474-M01-14BK	8/26/2004	<1.85	<0.11	0.8	0.1340	125	<0.009	<0.02	<0.19	<0.03
SDW 474-M01-15W	8/26/2004	<1.85	<0.11	1.5	0.5485	102	<0.009	<0.02	<0.19	<0.03

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
SDW 521-M01-01PT	8/14/2001	12.01	<0.11	1.3	0.0307	170	<0.009	<0.02	<0.19	0.27
SDW 521-M01-02GNT	8/14/2001	8.49	<0.11	1.2	0.0388	175	0.022	0.03	<0.19	3.14
SDW 521-M01-03RT	8/14/2001	<1.85	<0.11	1.4	0.0296	218	<0.009	<0.02	<0.19	0.11
SDW 521-M01-04BUT	8/14/2001	<1.85	<0.11	0.9	0.0196	155	<0.009	<0.02	<0.19	0.06
SDW 521-M01-05BKT	8/14/2001	<1.85	<0.11	1.1	0.0318	145	<0.009	<0.02	<0.19	0.08
SDW 521-M01-06WT	8/14/2001	<1.85	<0.11	1.5	0.0445	85	0.010	<0.02	<0.19	0.16
SDW 521-M01-07O	8/14/2001	<1.85	<0.11	2.1	0.0407	76	0.019	0.02	<0.19	0.05
SDW 521-M01-08GY	8/14/2001	<1.85	<0.11	3.0	0.0427	74	<0.009	0.03	<0.19	0.08
SDW 521-M01-09Y	8/14/2001	<1.85	<0.11	2.8	0.0422	77	<0.009	0.03	<0.19	<0.03
SDW 521-M01-10P	8/14/2001	<1.85	<0.11	1.8	0.0175	43	<0.009	<0.02	<0.19	<0.03
SDW 521-M01-11GN	8/14/2001	<1.85	<0.11	1.1	0.0245	44	<0.009	<0.02	<0.19	<0.03
SDW 521-M01-12R	8/14/2001	<1.85	<0.11	1.3	0.1034	83	<0.009	<0.02	<0.19	<0.03
SDW 521-M01-13BU	8/14/2001	<1.85	<0.11	0.9	0.0425	78	<0.009	<0.02	<0.19	<0.03
SDW 521-M01-13BU-D	8/14/2001	<1.85	<0.11	0.8	0.0416	78	<0.009	<0.02	<0.19	<0.03
SDW 521-M01-14BK	8/14/2001	<1.85	<0.11	1.4	0.0324	93	<0.009	<0.02	<0.19	<0.03
SDW 521-M01-15W	8/14/2001	<1.85	<0.11	1.5	0.0309	122	<0.009	<0.02	<0.19	<0.03
SDW 521-M01-01PT	6/17/2002	--	--	--	--	--	--	--	--	--
SDW 521-M01-02GNT	6/17/2002	6.47	<0.11	0.8	0.0198	177	0.019	<0.02	<0.19	2.29
SDW 521-M01-03RT	6/17/2002	<1.85	<0.11	<0.46	0.0071	166	<0.009	<0.02	<0.19	0.09
SDW 521-M01-04BUT	6/17/2002	<1.85	<0.11	<0.46	0.0096	98	<0.009	<0.02	<0.19	0.05
SDW 521-M01-05BKT	6/17/2002	<1.85	<0.11	<0.46	0.0150	85	<0.009	<0.02	<0.19	0.07
SDW 521-M01-06WT	6/17/2002	<1.85	<0.11	0.7	0.0305	57	0.008	<0.02	<0.19	0.14
SDW 521-M01-07O	6/17/2002	<1.85	<0.11	1.2	0.0200	50	0.015	<0.02	<0.19	0.04
SDW 521-M01-08GY	6/17/2002	<1.85	<0.11	1.6	0.0516	63	0.009	<0.02	<0.19	0.06
SDW 521-M01-09Y	6/17/2002	<1.85	<0.11	1.8	0.0617	77	0.007	<0.02	<0.19	0.03

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
SDW 521-M01-10P	6/17/2002	<1.85	<0.11	0.7	0.0267	93	<0.009	<0.02	<0.19	<0.03
SDW 521-M01-10P-D	6/17/2002	<1.85	<0.11	0.8	0.0275	95	<0.009	<0.02	<0.19	<0.03
SDW 521-M01-11GN	6/17/2002	<1.85	<0.11	<0.46	0.0280	76	<0.009	<0.02	<0.19	<0.03
SDW 521-M01-12R	6/17/2002	<1.85	<0.11	<0.46	0.0350	34	<0.009	<0.02	<0.19	<0.03
SDW 521-M01-13BU	6/17/2002	<1.85	<0.11	<0.46	0.0339	46	<0.009	<0.02	<0.19	<0.03
SDW 521-M01-14BK	6/17/2002	<1.85	<0.11	0.7	0.0326	91	<0.009	<0.02	<0.19	0.02
SDW 521-M01-15W	6/17/2002	<1.85	<0.11	0.8	0.0261	100	<0.009	<0.02	<0.19	<0.03
SDW 521-M01-01PT	6/3/2003	8.83	<0.11	1.3	0.0076	99	<0.009	<0.02	<0.19	0.57
SDW 521-M01-02GNT	6/3/2003	7.62	<0.11	0.7	0.0137	152	0.015	<0.02	<0.19	1.97
SDW 521-M01-03RT	6/3/2003	<1.85	<0.11	1.9	0.0033	371	<0.009	<0.02	<0.19	0.12
SDW 521-M01-04BUT	6/3/2003	<1.85	<0.11	1.2	0.0066	160	<0.009	<0.02	<0.19	0.08
SDW 521-M01-05BKT	6/3/2003	<1.85	<0.11	<0.46	0.0076	60	<0.009	<0.02	<0.19	0.08
SDW 521-M01-06WT	6/3/2003	<1.85	<0.11	0.8	0.0232	66	<0.009	<0.02	<0.19	0.17
SDW 521-M01-06WT-D	6/3/2003	<1.85	<0.11	0.8	0.0246	69	<0.009	<0.02	<0.19	0.18
SDW 521-M01-07O	6/3/2003	<1.85	<0.11	1.3	0.0114	61	0.024	<0.02	<0.19	<0.03
SDW 521-M01-08GY	6/3/2003	<1.85	<0.11	1.4	0.0308	62	0.012	<0.02	<0.19	0.05
SDW 521-M01-09Y	6/3/2003	<1.85	<0.11	1.3	0.0511	103	<0.009	<0.02	<0.19	<0.03
SDW 521-M01-10P	6/3/2003	<1.85	<0.11	1.0	0.0241	133	<0.009	<0.02	<0.19	<0.03
SDW 521-M01-11GN	6/3/2003	<1.85	<0.11	<0.46	0.0364	120	<0.009	<0.02	<0.19	<0.03
SDW 521-M01-12R	6/3/2003	<1.85	<0.11	<0.46	0.0473	84	<0.009	<0.02	<0.19	<0.03
SDW 521-M01-13BU	6/3/2003	<1.85	<0.11	<0.46	0.0284	66	<0.009	<0.02	<0.19	<0.03
SDW 521-M01-14BK	6/3/2003	<1.85	<0.11	1.0	0.0194	87	<0.009	<0.02	<0.19	<0.03
SDW 521-M01-15W	6/3/2003	<1.85	<0.11	0.6	0.0123	77	<0.009	<0.02	<0.19	<0.03
SDW 521-M01-01PT	7/26/2004	7.91	<0.11	1.9	0.3958	106	<0.009	<0.02	<0.19	0.29

Table 9, part 1. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Aluminum, dissolved (μM)	Arsenic, dissolved (μM)	Boron, dissolved (μM)	Barium, dissolved (μM)	Calcium, dissolved (μM)	Cadmium, dissolved (μM)	Cobalt, dissolved (μM)	Chromium, dissolved (μM)	Copper, dissolved (μM)
SDW 521-M01-02GNT	7/26/2004	3.41	<0.11	3.3	0.5751	207	0.018	<0.02	<0.19	1.90
SDW 521-M01-03RT	7/26/2004	<1.85	<0.11	2.2	0.6827	228	<0.009	<0.02	<0.19	0.12
SDW 521-M01-04BUT	7/26/2004	<1.85	<0.11	1.6	0.4852	171	<0.009	<0.02	<0.19	0.06
SDW 521-M01-05BKT	7/26/2004	<1.85	<0.11	2.6	0.7251	115	<0.009	<0.02	<0.19	0.05
SDW 521-M01-06WT	7/26/2004	<1.85	<0.11	2.3	0.4338	78	<0.009	<0.02	<0.19	0.11
SDW 521-M01-07O	7/26/2004	<1.85	<0.11	2.4	0.5179	46	0.012	<0.02	<0.19	0.06
SDW 521-M01-08GY	7/26/2004	<1.85	<0.11	3.5	0.7374	64	<0.009	<0.02	<0.19	0.04
SDW 521-M01-09Y	7/26/2004	<1.85	<0.11	2.7	0.4509	110	<0.009	<0.02	<0.19	0.04
SDW 521-M01-10P	7/26/2004	<1.85	<0.11	1.9	0.2559	129	<0.009	<0.02	<0.19	0.07
SDW 521-M01-10P-D	7/26/2004	<1.85	<0.11	2.8	0.6248	131	<0.009	<0.02	<0.19	<0.03
SDW 521-M01-11GN	7/26/2004	<1.85	<0.11	2.1	0.4000	139	<0.009	<0.02	<0.19	0.05
SDW 521-M01-12R	7/26/2004	<1.85	<0.11	1.5	0.6226	177	<0.009	<0.02	<0.19	0.03
SDW 521-M01-13BU	7/26/2004	<1.85	<0.11	1.1	0.2885	163	<0.009	<0.02	<0.19	<0.03
SDW 521-M01-14BK	7/26/2004	<1.85	<0.11	1.5	0.2581	113	<0.009	<0.02	<0.19	<0.03
SDW 521-M01-15W	7/26/2004	<1.85	<0.11	2.5	1.0951	93	<0.009	<0.02	<0.19	<0.03

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994–2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Iron, dissolved (μM)	Potassium, dissolved (μM)	Magnesium, dissolved (μM)	Manganese, dissolved (μM)	Molybdenum, dissolved (μM)	Sodium, dissolved (μM)	Nickel, dissolved (μM)	Phosphorus, dissolved (μM)
FSW 343-M01-01PT	11/29/1994	262.2	148.0	141	4.00	--	1802	<0.51	107.44
FSW 343-M01-02GNT	11/29/1994	237.0	189.8	121	3.51	--	1234	<0.51	96.29
FSW 343-M01-03RT	11/29/1994	113.8	106.6	75	1.40	--	939	<0.51	24.32
FSW 343-M01-04BUT	11/29/1994	170.9	149.0	128	3.13	--	595	<0.51	21.13
FSW 343-M01-05BKT	11/29/1994	0.7	83.8	162	<0.20	--	414	<0.51	<3.23
FSW 343-M01-06WT	11/29/1994	<0.2	50.0	172	0.21	--	597	<0.51	<3.23
FSW 343-M01-06WT-D	11/29/1994	<0.2	56.0	174	0.22	--	628	<0.51	<3.23
FSW 343-M01-07O	11/29/1994	<0.2	79.0	188	0.95	--	632	<0.51	<3.23
FSW 343-M01-08GY	11/29/1994	1.0	50.9	242	0.94	--	619	<0.51	3.84
FSW 343-M01-09Y	11/29/1994	<0.2	29.9	116	<0.20	--	259	<0.51	3.34
FSW 343-M01-10P	11/29/1994	<0.2	30.2	79	<0.20	--	239	<0.51	6.51
FSW 343-M01-11GN	11/29/1994	<0.2	29.0	75	<0.20	--	241	<0.51	7.12
FSW 343-M01-12R	11/29/1994	<0.2	42.0	88	2.95	--	248	<0.51	7.36
FSW 343-M01-13BU	11/29/1994	1.1	24.8	82	0.24	--	274	<0.51	5.73
FSW 343-M01-14BK	11/29/1994	0.2	30.9	88	<0.20	--	267	<0.51	6.89
FSW 343-M02-01PT	11/29/1994	0.4	229.6	141	5.40	--	2377	0.609	26.38
FSW 343-M02-02GNT	11/29/1994	0.4	222.0	174	6.73	--	2718	<0.51	12.18
FSW 343-M02-03RT	11/29/1994	0.3	239.3	171	6.01	--	2708	<0.51	5.41
FSW 343-M02-04BUT	11/29/1994	0.3	225.7	129	3.50	--	2317	<0.51	13.05
FSW 343-M02-05BKT	11/29/1994	0.4	203.5	109	3.06	--	2340	<0.51	5.52
FSW 343-M02-06WT	11/29/1994	0.4	301.8	122	2.74	--	2487	<0.51	3.88
FSW 343-M02-07O	11/29/1994	0.2	323.4	308	3.45	--	2399	<0.51	3.23
FSW 343-M02-07O-D	11/29/1994	0.4	314.3	302	3.36	--	2364	<0.51	<3.23
FSW 343-M02-08GY	11/29/1994	264.3	130.3	154	4.91	--	2438	<0.51	94.70
FSW 343-M02-09Y	11/29/1994	288.9	167.0	186	5.00	--	2352	<0.51	89.86

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Iron, dissolved (μM)	Potassium, dissolved (μM)	Magnesium, dissolved (μM)	Manganese, dissolved (μM)	Molybdenum, dissolved (μM)	Sodium, dissolved (μM)	Nickel, dissolved (μM)	Phosphorus, dissolved (μM)
FSW 343-M02-10P	11/29/1994	252.3	169.5	181	4.20	--	2574	<0.51	97.52
FSW 343-M02-11GN	11/29/1994	242.7	173.8	176	3.91	--	2458	<0.51	92.74
FSW 343-M02-12R	11/29/1994	249.1	141.0	168	3.98	--	2291	<0.51	89.19
FSW 343-M02-13BU	11/29/1994	224.1	105.7	158	3.78	--	1814	<0.51	107.32
FSW 343-M02-14BK	11/29/1994	243.8	153.0	134	3.85	--	1587	<0.51	99.35
FSW 343-M02-15W	11/29/1994	253.7	135.5	147	3.97	--	1388	<0.51	99.38
FSW 343-M03-02GNT (1-19)	11/29/1994	<0.2	41.2	73	0.80	--	432	<0.51	<3.23
FSW 343-M03-03RT (1-19)	11/29/1994	0.2	28.8	48	2.27	--	310	<0.51	<3.23
FSW 343-M03-04BUT (1-19)	11/29/1994	<0.2	85.0	112	<0.20	--	712	<0.51	12.65
FSW 343-M03-05BKT (1-19)	11/30/1994	0.2	114.6	158	0.27	--	932	<0.51	21.38
FSW 343-M03-06WT (1-19)	11/30/1994	0.2	147.4	168	0.88	--	1031	<0.51	25.04
FSW 343-M03-07O (1-19)	11/30/1994	0.2	221.9	135	1.76	--	1140	<0.51	26.70
FSW 343-M03-08GY (1-19)	11/30/1994	0.3	242.6	150	3.29	--	1190	<0.51	23.52
FSW 343-M03-09Y (1-19)	11/30/1994	0.2	198.9	159	4.24	--	1362	<0.51	18.44
FSW 343-M03-09Y (1-19)-D	11/30/1994	0.2	197.0	156	4.16	--	1340	<0.51	18.17
FSW 343-M03-10P (1-19)	11/30/1994	0.2	213.8	139	3.70	--	1753	<0.51	15.50
FSW 343-M03-11GN (1-19)	11/30/1994	0.3	228.1	144	4.25	--	2004	<0.51	12.47
FSW 343-M03-12R (1-19)	11/30/1994	0.3	241.6	160	5.64	--	2257	<0.51	10.88
FSW 343-M03-13BU (1-19)	11/29/1994	0.3	246.5	166	6.28	--	2382	<0.51	7.15
FSW 343-M03-14BK (1-19)	11/29/1994	0.3	268.3	197	7.79	--	2377	<0.51	4.85
FSW 343-M03-15W (1-19)	11/29/1994	<0.2	54.1	136	5.00	--	335	<0.51	8.53
FSW 343-M03-15W (1-19)-D	11/29/1994	0.4	270.0	191	7.95	--	2372	<0.51	5.49
FSW 343-M01-01PT	6/18/1996	332.5	152.6	197	4.92	--	1632	<0.51	105.80
FSW 343-M01-02GNT	6/18/1996	499.9	139.9	177	5.91	--	1506	<0.51	75.48

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Iron, dissolved (μM)	Potassium, dissolved (μM)	Magnesium, dissolved (μM)	Manganese, dissolved (μM)	Molybdenum, dissolved (μM)	Sodium, dissolved (μM)	Nickel, dissolved (μM)	Phosphorus, dissolved (μM)
FSW 343-M01-03RT	6/18/1996	34.2	98.3	52	1.14	--	1581	<0.51	6.56
FSW 343-M01-04BUT	6/18/1996	34.8	118.5	15	0.67	--	1575	<0.51	7.64
FSW 343-M01-05BKT	6/18/1996	0.2	68.8	66	<0.20	--	1066	<0.51	<3.23
FSW 343-M01-06WT	6/18/1996	<0.2	44.5	124	<0.20	--	756	<0.51	<3.23
FSW 343-M01-07O	6/18/1996	<0.2	53.3	126	0.37	--	1025	<0.51	<3.23
FSW 343-M01-08GY	6/18/1996	<0.2	39.8	156	0.31	--	785	<0.51	3.38
FSW 343-M01-08GY-D	6/18/1996	<0.2	43.7	151	0.31	--	760	<0.51	3.30
FSW 343-M01-09Y	6/18/1996	<0.2	30.0	166	<0.20	--	389	<0.51	3.72
FSW 343-M01-10P	6/18/1996	<0.2	26.6	75	<0.20	--	289	<0.51	7.43
FSW 343-M01-11GN	6/18/1996	<0.2	22.2	69	<0.20	--	240	<0.51	7.92
FSW 343-M01-12R	6/18/1996	<0.2	41.9	103	1.23	--	261	<0.51	7.12
FSW 343-M01-14BK	6/18/1996	<0.2	31.6	83	<0.20	--	249	<0.51	7.54
FSW 343-M01-15W	6/18/1996	<0.2	53.0	132	5.30	--	312	<0.51	8.38
FSW 343-M02-01PT	6/17/1996	0.5	394.7	219	11.30	--	2652	<0.51	45.41
FSW 343-M02-02GNT	6/17/1996	0.5	388.0	219	8.98	--	2856	<0.51	41.25
FSW 343-M02-02GNT-D	6/17/1996	1.0	376.6	227	9.28	--	2985	<0.51	42.81
FSW 343-M02-03RT	6/17/1996	0.5	389.3	211	7.74	--	3024	<0.51	42.85
FSW 343-M02-04BUT	6/18/1996	0.4	326.4	172	4.80	--	2523	<0.51	42.99
FSW 343-M02-05BKT	6/18/1996	0.4	308.1	201	4.99	--	2664	<0.51	59.72
FSW 343-M02-06WT	6/18/1996	0.6	209.8	186	4.03	--	2793	<0.51	4.40
FSW 343-M02-07O	6/18/1996	0.6	417.0	247	4.21	--	2898	<0.51	<3.23
FSW 343-M02-08GY	6/18/1996	0.4	331.4	210	1.51	--	2561	<0.51	<3.23
FSW 343-M02-09Y	6/18/1996	165.3	213.9	106	3.09	--	2631	<0.51	59.91
FSW 343-M02-10P	6/18/1996	233.8	157.5	147	3.78	--	2646	<0.51	123.61
FSW 343-M02-11GN	6/18/1996	210.2	157.0	126	3.22	--	2585	<0.51	136.93

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Iron, dissolved (μM)	Potassium, dissolved (μM)	Magnesium, dissolved (μM)	Manganese, dissolved (μM)	Molybdenum, dissolved (μM)	Sodium, dissolved (μM)	Nickel, dissolved (μM)	Phosphorus, dissolved (μM)
FSW 343-M02-11GN-D	6/18/1996	202.8	154.4	122	3.13	--	2462	<0.51	134.32
FSW 343-M02-12R	6/18/1996	234.2	163.2	120	3.75	--	2521	<0.51	148.65
FSW 343-M02-13BU	6/18/1996	571.4	272.4	235	9.39	--	2202	<0.51	105.20
FSW 343-M02-14BK	6/18/1996	503.5	193.7	286	7.92	--	2119	<0.51	105.50
FSW 343-M02-15W	6/18/1996	506.2	173.3	273	6.47	--	1960	<0.51	111.80
FSW 343-M03-01PT (1-19)	6/17/1996	<0.2	17.6	54	0.29	--	288	<0.51	<3.23
FSW 343-M03-01PT (1-19)-R	6/17/1996	<0.2	16.9	51	0.26	--	248	<0.51	<3.23
FSW 343-M03-02GNT (1-19)	6/17/1996	<0.2	20.4	45	0.40	--	234	<0.51	<3.23
FSW 343-M03-02GNT (1-19)-R	6/17/1996	<0.2	15.1	45	0.39	--	209	<0.51	<3.23
FSW 343-M03-03RT (1-19)	6/17/1996	<0.2	21.5	56	<0.20	--	297	<0.51	<3.23
FSW 343-M03-03RT (1-19)-R	6/17/1996	<0.2	19.3	54	<0.20	--	267	<0.51	<3.23
FSW 343-M03-04BUT (1-19)	6/17/1996	<0.2	49.9	42	<0.20	--	464	<0.51	5.14
FSW 343-M03-04BUT (1-19)-R	6/17/1996	<0.2	54.7	42	<0.20	--	424	<0.51	5.70
FSW 343-M03-05BKT (1-19)	6/17/1996	<0.2	103.2	50	<0.20	--	606	<0.51	22.49
FSW 343-M03-05BKT (1-19)-R	6/17/1996	<0.2	92.6	49	<0.20	--	559	<0.51	21.17
FSW 343-M03-05BKT (1-19)-D	6/17/1996	<0.2	101.9	51	<0.20	--	638	<0.51	23.22
FSW 343-M03-05BKT (1-19)-D-R	6/17/1996	<0.2	92.2	51	<0.20	--	569	<0.51	22.29
FSW 343-M03-06WT (1-19)	6/17/1996	<0.2	122.6	65	<0.20	--	850	<0.51	24.41
FSW 343-M03-06WT (1-19)-R	6/17/1996	<0.2	127.7	66	<0.20	--	820	<0.51	23.15
FSW 343-M03-07O (1-19)	6/17/1996	<0.2	164.8	89	1.25	--	1247	<0.51	26.27
FSW 343-M03-07O (1-19)-R	6/17/1996	<0.2	158.0	89	1.22	--	1187	<0.51	24.79
FSW 343-M03-08GY (1-19)	6/17/1996	0.3	236.4	140	4.19	--	1821	<0.51	26.71
FSW 343-M03-08GY (1-19)-R	6/17/1996	0.3	218.6	141	4.18	--	1770	<0.51	26.58
FSW 343-M03-09Y (1-19)	6/17/1996	0.4	286.4	198	8.03	--	2399	<0.51	27.21
FSW 343-M03-09Y (1-19)-R	6/17/1996	0.4	258.5	186	7.49	--	2151	<0.51	25.13

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Iron, dissolved (μM)	Potassium, dissolved (μM)	Magnesium, dissolved (μM)	Manganese, dissolved (μM)	Molybdenum, dissolved (μM)	Sodium, dissolved (μM)	Nickel, dissolved (μM)	Phosphorus, dissolved (μM)
FSW 343-M03-10P (1-19)	6/17/1996	0.5	315.6	220	11.09	--	2607	<0.51	27.00
FSW 343-M03-10P (1-19)-R	6/17/1996	0.4	265.0	199	10.04	--	2225	<0.51	23.57
FSW 343-M03-11GN (1-19)	6/17/1996	0.5	333.7	208	11.13	--	2515	<0.51	28.31
FSW 343-M03-11GN (1-19)-R	6/17/1996	0.4	298.4	193	10.27	--	2205	<0.51	26.83
FSW 343-M03-12R (1-19)	6/17/1996	0.5	365.0	208	11.18	--	2497	<0.51	31.64
FSW 343-M03-12R (1-19)-R	6/17/1996	0.4	313.6	192	10.35	--	2193	<0.51	28.04
FSW 343-M03-13BU (1-19)	6/17/1996	0.4	362.4	199	10.05	--	2500	<0.51	33.82
FSW 343-M03-13BU (1-19)-R	6/17/1996	0.4	301.5	183	9.20	--	2168	<0.51	28.97
FSW 343-M03-14BK (1-19)	6/17/1996	0.5	378.2	200	9.10	--	2556	<0.51	23.33
FSW 343-M03-14BK (1-19)-R	6/17/1996	0.4	313.6	185	8.35	--	2207	<0.51	20.63
FSW 343-M03-14BK (1-19)-D	6/17/1996	0.5	372.0	200	9.14	--	2541	<0.51	23.24
FSW 343-M03-14BK (1-19)-D-R	6/17/1996	0.5	314.6	189	8.57	--	2265	<0.51	21.63
FSW 343-M03-15W (1-19)	6/17/1996	0.5	365.5	200	8.72	--	2679	<0.51	17.83
FSW 343-M03-15W (1-19)-R	6/17/1996	0.4	302.9	182	7.84	--	2271	<0.51	15.77
FSW 343-M01-01PT	11/18/1996	362.5	163.1	184	5.50	--	2432	<0.51	92.11
FSW 343-M01-02GNT	11/18/1996	402.3	133.2	116	4.61	--	2222	<0.51	69.06
FSW 343-M01-03RT	11/18/1996	0.9	154.0	174	2.76	--	1782	<0.51	<3.23
FSW 343-M01-04BUT	11/18/1996	3.1	149.0	111	2.61	--	1578	<0.51	<3.23
FSW 343-M01-04BUT-D	11/18/1996	3.8	171.0	119	2.79	--	1626	<0.51	<3.23
FSW 343-M01-05BKT	11/18/1996	0.3	98.8	233	0.21	--	1261	<0.51	<3.23
FSW 343-M01-06WT	11/18/1996	<0.2	34.7	132	<0.20	--	711	<0.51	<3.23
FSW 343-M01-07O	11/18/1996	<0.2	39.5	122	0.34	--	631	<0.51	<3.23
FSW 343-M01-08GY	11/18/1996	<0.2	18.2	72	<0.20	--	515	<0.51	3.66
FSW 343-M01-09Y	11/18/1996	<0.2	13.9	56	<0.20	--	327	<0.51	3.51
FSW 343-M01-10P	11/18/1996	<0.2	17.6	59	<0.20	--	258	<0.51	6.66

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Iron, dissolved (μM)	Potassium, dissolved (μM)	Magnesium, dissolved (μM)	Manganese, dissolved (μM)	Molybdenum, dissolved (μM)	Sodium, dissolved (μM)	Nickel, dissolved (μM)	Phosphorus, dissolved (μM)
FSW 343-M01-11GN	11/18/1996	<0.2	10.2	59	<0.20	--	239	<0.51	6.76
FSW 343-M01-12R	11/18/1996	<0.2	41.6	90	0.66	--	243	<0.51	6.87
FSW 343-M01-14BK	11/18/1996	<0.2	19.8	85	<0.20	--	261	<0.51	6.99
FSW 343-M01-14BK-D	11/18/1996	<0.2	35.8	84	<0.20	--	252	<0.51	5.41
FSW 343-M01-15W	11/18/1996	<0.2	38.7	130	4.95	--	305	<0.51	7.26
FSW 343-M02-01PT	11/18/1996	0.4	293.4	149	6.10	--	1957	<0.51	49.20
FSW 343-M02-02GNT	11/18/1996	0.4	244.5	175	6.69	--	2423	<0.51	44.92
FSW 343-M02-03RT	11/18/1996	0.4	237.9	161	5.70	--	2449	<0.51	41.17
FSW 343-M02-04BUT	11/18/1996	0.4	400.2	116	3.15	--	2563	<0.51	64.03
FSW 343-M02-05BKT	11/18/1996	0.3	210.1	148	3.45	--	2342	<0.51	45.69
FSW 343-M02-06WT	11/18/1996	0.6	261.4	286	5.38	--	3566	<0.51	8.47
FSW 343-M02-07O	11/18/1996	0.5	289.1	169	3.16	--	2388	<0.51	<3.23
FSW 343-M02-07O-D	11/18/1996	0.4	305.2	171	3.24	--	2321	<0.51	3.56
FSW 343-M02-08GY	11/18/1996	3.1	300.6	148	1.25	--	2621	<0.51	3.62
FSW 343-M02-09Y	11/18/1996	280.0	428.0	174	4.30	--	2585	<0.51	45.64
FSW 343-M02-10P	11/18/1996	357.2	210.6	233	6.00	--	2732	<0.51	109.29
FSW 343-M02-11GN	11/18/1996	313.7	212.5	186	5.02	--	2532	<0.51	100.77
FSW 343-M02-12R	11/18/1996	365.8	253.4	204	5.90	--	2736	<0.51	120.51
FSW 343-M02-13BU	11/18/1996	475.2	267.5	180	7.98	--	2836	<0.51	122.51
FSW 343-M02-14BK	11/18/1996	380.0	180.5	212	6.05	--	2637	<0.51	115.20
FSW 343-M02-15W	11/18/1996	294.9	141.8	82	3.67	--	2469	<0.51	85.85
FSW 343-M03-01PT (1-19)	11/18/1996	0.4	15.2	48	<0.20	--	288	<0.51	<3.23
FSW 343-M03-01PT (1-19)-D	11/18/1996	<0.2	19.5	48	<0.20	--	273	<0.51	<3.23
FSW 343-M03-02GNT (1-19)	11/18/1996	<0.2	18.7	49	<0.20	--	348	<0.51	<3.23

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Iron, dissolved (μM)	Potassium, dissolved (μM)	Magnesium, dissolved (μM)	Manganese, dissolved (μM)	Molybdenum, dissolved (μM)	Sodium, dissolved (μM)	Nickel, dissolved (μM)	Phosphorus, dissolved (μM)
FSW 343-M03-03RT (1-19)	11/18/1996	<0.2	17.1	41	<0.20	--	302	<0.51	<3.23
FSW 343-M03-04BUT (1-19)	11/18/1996	<0.2	36.3	43	<0.20	--	380	<0.51	14.70
FSW 343-M03-05BKT (1-19)	11/18/1996	<0.2	82.5	35	<0.20	--	367	<0.51	33.73
FSW 343-M03-06WT (1-19)	11/18/1996	<0.2	85.7	31	<0.20	--	340	<0.51	36.16
FSW 343-M03-07O (1-19)	11/18/1996	<0.2	119.1	31	0.44	--	423	<0.51	43.81
FSW 343-M03-08GY (1-19)	11/18/1996	<0.2	141.8	38	1.04	--	637	<0.51	49.82
FSW 343-M03-09Y (1-19)	11/18/1996	<0.2	162.6	51	1.77	--	953	<0.51	41.82
FSW 343-M03-10P (1-19)	11/18/1996	0.2	215.2	89	3.82	--	1526	<0.51	36.79
FSW 343-M03-10P (1-19)-D	11/18/1996	<0.2	217.6	84	3.63	--	1335	<0.51	35.91
FSW 343-M03-11GN (1-19)	11/18/1996	0.3	240.5	113	4.74	--	1755	<0.51	36.55
FSW 343-M03-12R (1-19)	11/18/1996	0.3	269.1	130	5.70	--	1964	<0.51	35.57
FSW 343-M03-13BU (1-19)	11/18/1996	0.4	275.5	142	5.93	--	2144	<0.51	33.46
FSW 343-M03-14BK (1-19)	11/18/1996	0.4	251.0	137	6.03	--	2168	<0.51	23.62
FSW 343-M03-15W (1-19)	11/18/1996	0.5	247.2	149	6.36	--	2291	<0.51	24.32
FSW 343-M01-01PT	2/19/1997	--	--	--	--	--	--	--	--
FSW 343-M01-02GNT	2/19/1997	284.2	71.4	31	2.41	--	1842	<0.51	33.80
FSW 343-M01-03RT	2/19/1997	0.8	96.9	68	1.41	--	1437	<0.51	<3.23
FSW 343-M01-04BUT	2/19/1997	6.1	111.1	99	2.35	--	1144	<0.51	<3.23
FSW 343-M01-05BKT	2/19/1997	<0.2	61.0	79	<0.20	--	689	<0.51	<3.23
FSW 343-M01-05BKT-D	2/19/1997	<0.2	66.8	86	<0.20	--	748	<0.51	<3.23
FSW 343-M01-06WT	2/19/1997	<0.2	27.9	44	<0.20	--	367	<0.51	<3.23
FSW 343-M01-07O	2/19/1997	<0.2	46.8	111	0.25	--	495	<0.51	3.37
FSW 343-M01-08GY	2/19/1997	<0.2	26.0	55	<0.20	--	382	<0.51	3.58
FSW 343-M01-09Y	2/19/1997	<0.2	27.4	67	<0.20	--	428	<0.51	5.04
FSW 343-M01-10P	2/19/1997	<0.2	26.9	91	<0.20	--	287	<0.51	6.43

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; µM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Iron, dissolved (µM)	Potassium, dissolved (µM)	Magnesium, dissolved (µM)	Manganese, dissolved (µM)	Molybdenum, dissolved (µM)	Sodium, dissolved (µM)	Nickel, dissolved (µM)	Phosphorus, dissolved (µM)
FSW 343-M02-01PT	2/19/1997	--	--	--	--	--	--	--	--
FSW 343-M02-02GNT	2/19/1997	--	--	--	--	--	--	--	--
FSW 343-M02-03RT	2/19/1997	0.3	354.9	157	6.01	--	2382	<0.51	42.34
FSW 343-M02-04BUT	2/19/1997	0.3	369.5	136	3.85	--	2318	<0.51	46.10
FSW 343-M02-05BKT	2/19/1997	0.3	427.7	124	2.97	--	2398	<0.51	57.38
FSW 343-M02-06WT	2/19/1997	0.3	145.1	142	2.48	--	2438	<0.51	8.81
FSW 343-M02-07O	2/19/1997	0.3	258.0	166	2.77	--	2153	<0.51	<3.23
FSW 343-M02-08GY	2/19/1997	0.7	277.9	165	1.40	--	2121	<0.51	<3.23
FSW 343-M02-08GY-D	2/19/1997	0.3	286.5	176	1.48	--	2272	<0.51	<3.23
FSW 343-M02-09Y	2/19/1997	178.0	288.7	91	2.86	--	2164	<0.51	38.74
FSW 343-M02-10P	2/19/1997	306.7	211.2	188	5.06	--	2190	<0.51	88.39
FSW 343-M02-11GN	2/19/1997	348.1	237.2	197	5.53	--	2195	<0.51	91.15
FSW 343-M02-12R	2/19/1997	404.2	243.4	157	6.58	--	2121	<0.51	95.82
FSW 343-M02-13BU	2/19/1997	300.3	181.9	95	4.75	--	2161	<0.51	110.69
FSW 343-M02-14BK	2/19/1997	300.1	149.8	145	4.67	--	2225	<0.51	113.41
FSW 343-M02-15W	2/19/1997	241.1	133.3	35	2.64	--	2205	<0.51	36.02
FSW 343-M03-01PT (1-19)	2/19/1997	<0.2	24.1	43	<0.20	--	217	<0.51	<3.23
FSW 343-M03-02GNT (1-19)	2/19/1997	<0.2	28.4	47	<0.20	--	338	<0.51	<3.23
FSW 343-M03-02GNT (1-19)-D	2/19/1997	<0.2	26.1	46	<0.20	--	333	<0.51	<3.23
FSW 343-M03-03RT (1-19)	2/19/1997	<0.2	39.2	52	0.30	--	368	<0.51	<3.23
FSW 343-M03-04BUT (1-19)	2/19/1997	<0.2	65.2	49	<0.20	--	359	<0.51	12.17
FSW 343-M03-05BKT (1-19)	2/19/1997	<0.2	95.5	34	<0.20	--	387	<0.51	28.92
FSW 343-M03-06WT (1-19)	2/19/1997	<0.2	121.4	37	<0.20	--	445	<0.51	35.63
FSW 343-M03-07O (1-19)	2/19/1997	<0.2	170.6	63	1.03	--	688	<0.51	32.32

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Iron, dissolved (μM)	Potassium, dissolved (μM)	Magnesium, dissolved (μM)	Manganese, dissolved (μM)	Molybdenum, dissolved (μM)	Sodium, dissolved (μM)	Nickel, dissolved (μM)	Phosphorus, dissolved (μM)
FSW 343-M03-08GY (1-19)	2/19/1997	<0.2	202.3	85	2.23	--	876	<0.51	31.92
FSW 343-M03-09Y (1-19)	2/19/1997	<0.2	214.5	95	3.51	--	1066	<0.51	30.96
FSW 343-M03-10P (1-19)	2/19/1997	0.3	258.5	146	5.36	--	1603	<0.51	25.32
FSW 343-M03-11GN (1-19)	2/19/1997	0.3	303.4	178	6.26	--	1962	<0.51	24.48
FSW 343-M03-11GN (1-19)-D	2/19/1997	0.3	309.7	186	6.50	--	1994	<0.51	25.01
FSW 343-M03-12R (1-19)	2/19/1997	0.3	324.2	191	7.15	--	2099	<0.51	26.76
FSW 343-M03-13BU (1-19)	2/19/1997	0.4	348.7	200	7.27	--	2331	<0.51	27.62
FSW 343-M03-14BK (1-19)	2/19/1997	0.3	302.9	161	6.92	--	2382	<0.51	20.79
FSW 343-M03-15W (1-19)	2/19/1997	1.4	307.2	169	7.25	--	2571	0.596	27.25
FSW 343-M01-01PT	5/14/1997	--	--	--	--	--	--	--	--
FSW 343-M01-02GNT	5/14/1997	183.0	72.9	7	1.10	--	1120	<0.51	19.32
FSW 343-M01-03RT	5/14/1997	0.4	68.1	35	0.77	--	1185	<0.51	<3.23
FSW 343-M01-04BUT	5/14/1997	4.6	84.2	61	1.55	--	960	<0.51	<3.23
FSW 343-M01-05BKT	5/14/1997	<0.2	47.5	55	<0.20	--	646	<0.51	<3.23
FSW 343-M01-06WT	5/14/1997	<0.2	26.6	29	<0.20	--	377	<0.51	<3.23
FSW 343-M01-07O	5/14/1997	<0.2	37.9	61	<0.20	--	288	<0.51	<3.23
FSW 343-M01-08GY	5/14/1997	<0.2	25.8	56	<0.20	--	328	<0.51	4.37
FSW 343-M01-09Y	5/14/1997	<0.2	27.8	125	<0.20	--	293	<0.51	<3.23
FSW 343-M01-09Y-D	5/14/1997	<0.2	20.9	125	<0.20	--	297	<0.51	<3.23
FSW 343-M01-10P	5/14/1997	<0.2	27.8	97	<0.20	--	283	<0.51	6.07
FSW 343-M02-01PT	5/15/1997	--	--	--	--	--	--	--	--
FSW 343-M02-02GNT	5/15/1997	--	--	--	--	--	--	--	--
FSW 343-M02-03RT	5/15/1997	0.3	389.0	149	5.50	--	2310	<0.51	46.16
FSW 343-M02-03RT-D	5/15/1997	0.3	392.7	146	5.53	--	2287	<0.51	46.52

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Iron, dissolved (μM)	Potassium, dissolved (μM)	Magnesium, dissolved (μM)	Manganese, dissolved (μM)	Molybdenum, dissolved (μM)	Sodium, dissolved (μM)	Nickel, dissolved (μM)	Phosphorus, dissolved (μM)
FSW 343-M02-04BUT	5/15/1997	0.2	292.4	79	2.31	--	1778	<0.51	57.10
FSW 343-M02-05BKT	5/15/1997	<0.2	243.7	57	1.52	--	1624	<0.51	87.99
FSW 343-M02-06WT	5/15/1997	0.2	247.7	76	1.40	--	1820	<0.51	42.71
FSW 343-M02-07O	5/15/1997	0.3	244.5	132	2.29	--	2171	<0.51	<3.23
FSW 343-M02-08GY	5/15/1997	0.6	255.3	163	1.52	--	2485	<0.51	<3.23
FSW 343-M02-09Y	5/15/1997	1.9	429.3	165	1.67	--	2424	<0.51	<3.23
FSW 343-M02-10P	5/15/1997	160.5	225.9	86	2.57	--	1997	<0.51	76.11
FSW 343-M02-11GN	5/15/1997	194.4	188.5	110	3.04	--	2164	<0.51	97.84
FSW 343-M02-12R	5/15/1997	200.6	183.6	82	3.23	--	1830	<0.51	115.53
FSW 343-M02-12R-D	5/15/1997	213.1	197.3	86	3.48	--	1943	<0.51	120.48
FSW 343-M02-13BU	5/15/1997	154.5	136.9	48	2.39	--	1124	<0.51	106.17
FSW 343-M02-14BK	5/15/1997	156.9	110.3	74	2.43	--	1368	<0.51	95.77
FSW 343-M02-15W	5/15/1997	156.0	105.9	31	1.54	--	993	<0.51	29.09
FSW 343-M03-01PT (1-19)	5/15/1997	<0.2	24.2	44	<0.20	--	206	<0.51	<3.23
FSW 343-M03-02GNT (1-19)	5/15/1997	<0.2	28.2	37	<0.20	--	253	<0.51	<3.23
FSW 343-M03-03RT (1-19)	5/15/1997	<0.2	34.6	45	0.32	--	337	<0.51	<3.23
FSW 343-M03-04BUT (1-19)	5/15/1997	<0.2	52.4	33	1.17	--	327	<0.51	12.37
FSW 343-M03-05BKT (1-19)	5/15/1997	<0.2	90.6	31	<0.20	--	331	<0.51	26.09
FSW 343-M03-06WT (1-19)	5/15/1997	<0.2	112.0	33	<0.20	--	352	<0.51	31.88
FSW 343-M03-06WT (1-19)-D	5/15/1997	0.3	122.4	34	<0.20	--	367	<0.51	32.17
FSW 343-M03-07O (1-19)	5/15/1997	<0.2	151.8	50	0.76	--	456	<0.51	32.65
FSW 343-M03-08GY (1-19)	5/15/1997	<0.2	170.0	65	1.61	--	500	<0.51	31.04
FSW 343-M03-09Y (1-19)	5/15/1997	<0.2	188.5	88	2.91	--	819	<0.51	26.90
FSW 343-M03-10P (1-19)	5/15/1997	<0.2	266.6	151	4.77	--	1355	<0.51	23.05
FSW 343-M03-11GN (1-19)	5/15/1997	<0.2	294.4	168	5.19	--	1665	<0.51	23.61

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Iron, dissolved (μM)	Potassium, dissolved (μM)	Magnesium, dissolved (μM)	Manganese, dissolved (μM)	Molybdenum, dissolved (μM)	Sodium, dissolved (μM)	Nickel, dissolved (μM)	Phosphorus, dissolved (μM)
FSW 343-M03-12R (1-19)	5/15/1997	0.2	291.6	168	5.34	--	1836	<0.51	25.43
FSW 343-M03-13BU (1-19)	5/15/1997	0.3	299.6	175	5.35	--	1897	<0.51	25.29
FSW 343-M03-14BK (1-19)	5/15/1997	0.3	298.4	163	5.77	--	2083	<0.51	21.81
FSW 343-M03-15W (1-19)	5/15/1997	0.3	284.3	137	5.62	--	2093	<0.51	22.88
FSW 343-M01-01PT	8/6/1997	--	--	--	--	--	--	--	--
FSW 343-M01-02GNT	8/6/1997	94.4	95.1	3	0.56	--	1002	<0.51	21.94
FSW 343-M01-02GNT-D	8/6/1997	92.3	87.9	3	0.53	--	1059	<0.51	22.27
FSW 343-M01-03RT	8/6/1997	0.6	59.6	46	1.18	--	695	<0.51	<3.23
FSW 343-M01-04BUT	8/6/1997	1.4	52.8	25	0.70	--	683	<0.51	<3.23
FSW 343-M01-05BKT	8/6/1997	<0.2	26.8	23	<0.20	--	425	<0.51	<3.23
FSW 343-M01-06WT	8/6/1997	<0.2	24.5	73	<0.20	--	223	<0.51	<3.23
FSW 343-M01-07O	8/6/1997	<0.2	26.4	51	<0.20	--	349	<0.51	3.67
FSW 343-M01-08GY	8/6/1997	<0.2	25.3	87	<0.20	--	374	<0.51	4.40
FSW 343-M01-09Y	8/6/1997	<0.2	18.9	127	<0.20	--	287	<0.51	3.61
FSW 343-M01-10P	8/6/1997	<0.2	22.6	93	<0.20	--	294	<0.51	6.72
FSW 343-M02-01PT	8/6/1997	--	--	--	--	--	--	--	--
FSW 343-M02-02GNT	8/6/1997	--	--	--	--	--	--	--	--
FSW 343-M02-03RT	8/6/1997	0.3	168.3	75	2.87	--	1680	<0.51	72.15
FSW 343-M02-03RT-D	8/6/1997	0.5	166.4	73	2.77	--	1776	<0.51	71.34
FSW 343-M02-04BUT	8/6/1997	<0.2	166.0	81	2.26	--	1569	<0.51	100.63
FSW 343-M02-05BKT	8/6/1997	<0.2	171.7	73	1.99	--	1847	<0.51	90.57
FSW 343-M02-06WT	8/6/1997	0.2	172.4	81	1.52	--	1834	<0.51	64.13
FSW 343-M02-07O	8/6/1997	0.3	233.5	124	2.15	--	2183	<0.51	4.13
FSW 343-M02-08GY	8/6/1997	0.4	217.3	117	1.42	--	2172	<0.51	3.68

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Well or multilevel-sampler port	Date	Iron, dissolved (µM)	Potassium, dissolved (µM)	Magnesium, dissolved (µM)	Manganese, dissolved (µM)	Molybdenum, dissolved (µM)	Sodium, dissolved (µM)	Nickel, dissolved (µM)	Phosphorus, dissolved (µM)
FSW 343-M02-09Y	8/6/1997	0.6	245.6	95	0.79	--	1611	<0.51	<3.23
FSW 343-M02-10P	8/6/1997	185.4	228.6	90	2.88	--	1892	<0.51	82.02
FSW 343-M02-11GN	8/6/1997	141.8	169.4	74	2.17	--	1650	<0.51	125.45
FSW 343-M02-12R	8/6/1997	174.1	167.9	69	2.69	--	963	<0.51	89.66
FSW 343-M02-12R-D	8/6/1997	166.4	150.2	69	2.63	--	1020	<0.51	89.48
FSW 343-M02-13BU	8/6/1997	242.3	152.8	74	3.47	--	698	<0.51	68.24
FSW 343-M02-14BK	8/6/1997	187.1	109.8	77	2.74	--	988	<0.51	90.36
FSW 343-M02-15W	8/6/1997	190.3	159.2	87	1.51	--	604	<0.51	22.50
FSW 343-M03-01PT (1-19)	8/7/1997	0.5	20.4	47	<0.20	--	360	<0.51	<3.23
FSW 343-M03-02GNT (1-19)	8/7/1997	<0.2	22.3	39	0.36	--	363	<0.51	<3.23
FSW 343-M03-03RT (1-19)	8/7/1997	<0.2	18.5	46	<0.20	--	362	<0.51	<3.23
FSW 343-M03-04BUT (1-19)	8/7/1997	<0.2	52.1	37	<0.20	--	385	<0.51	17.68
FSW 343-M03-05BKT (1-19)	8/7/1997	<0.2	100.0	35	<0.20	--	455	<0.51	38.14
FSW 343-M03-06WT (1-19)	8/7/1997	<0.2	115.4	35	<0.20	--	516	<0.51	47.92
FSW 343-M03-06WT (1-19)-D	8/7/1997	0.7	111.7	34	<0.20	--	536	<0.51	48.17
FSW 343-M03-07O (1-19)	8/7/1997	<0.2	158.8	47	0.63	--	723	<0.51	66.33
FSW 343-M03-08GY (1-19)	8/7/1997	<0.2	139.2	40	1.00	--	868	<0.51	69.11
FSW 343-M03-09Y (1-19)	8/7/1997	0.6	175.8	55	1.69	--	1208	<0.51	45.56
FSW 343-M03-10P (1-19)	8/7/1997	0.2	208.3	74	1.97	--	1538	<0.51	44.80
FSW 343-M03-11GN (1-19)	8/7/1997	5.4	225.2	87	2.29	--	1684	<0.51	45.22
FSW 343-M03-12R (1-19)	8/7/1997	<0.2	236.6	92	2.67	--	1856	<0.51	42.96
FSW 343-M03-13BU (1-19)	8/7/1997	<0.2	247.5	98	2.71	--	1900	<0.51	47.82
FSW 343-M03-14BK (1-19)	8/7/1997	<0.2	221.8	84	2.72	--	1778	<0.51	39.77
FSW 343-M03-15W (1-19)	8/7/1997	<0.2	192.0	56	2.22	--	1506	<0.51	51.11

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; µM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Iron, dissolved (µM)	Potassium, dissolved (µM)	Magnesium, dissolved (µM)	Manganese, dissolved (µM)	Molybdenum, dissolved (µM)	Sodium, dissolved (µM)	Nickel, dissolved (µM)	Phosphorus, dissolved (µM)
FSW 343-M01-01PT	10/30/1997	--	--	--	--	--	--	--	--
FSW 343-M01-02GNT	10/30/1997	73.6	267.9	3	0.48	--	539	<0.51	8.90
FSW 343-M01-02GNT-D	10/30/1997	75.6	281.0	<1.65	0.41	--	557	<0.51	9.32
FSW 343-M01-03RT	10/30/1997	2.1	59.5	41	1.07	--	486	<0.51	3.23
FSW 343-M01-04BUT	10/30/1997	<0.2	50.2	24	0.57	--	531	<0.51	3.23
FSW 343-M01-05BKT	10/30/1997	<0.2	33.0	63	<0.20	--	203	<0.51	3.23
FSW 343-M01-06WT	10/30/1997	<0.2	24.9	73	<0.20	--	186	<0.51	3.23
FSW 343-M01-07O	10/30/1997	<0.2	25.7	47	<0.20	--	353	<0.51	3.23
FSW 343-M01-08GY	10/30/1997	<0.2	23.2	113	<0.20	--	249	<0.51	3.23
FSW 343-M01-09Y	10/30/1997	<0.2	24.1	119	<0.20	--	277	<0.51	3.61
FSW 343-M01-10P	10/30/1997	<0.2	19.2	86	<0.20	--	266	<0.51	5.30
FSW 343-M02-01PT	10/30/1997	--	--	--	--	--	--	--	--
FSW 343-M02-02GNT	10/30/1997	--	--	--	--	--	--	--	--
FSW 343-M02-03RT	10/30/1997	<0.2	132.1	56	2.19	--	1235	<0.51	73.20
FSW 343-M02-03RT-D	10/30/1997	0.3	140.7	60	2.22	--	1320	<0.51	77.36
FSW 343-M02-04BUT	10/30/1997	<0.2	242.2	103	2.98	--	1286	<0.51	73.51
FSW 343-M02-05BKT	10/30/1997	<0.2	119.5	144	3.53	--	1202	<0.51	55.31
FSW 343-M02-06WT	10/30/1997	<0.2	149.7	91	1.67	--	1485	<0.51	49.22
FSW 343-M02-07O	10/30/1997	0.3	218.2	56	0.98	--	1438	<0.51	4.24
FSW 343-M02-08GY	10/30/1997	0.3	170.5	60	0.82	--	1476	<0.51	4.92
FSW 343-M02-09Y	10/30/1997	1.8	204.3	80	1.07	--	1442	<0.51	3.23
FSW 343-M02-10P	10/30/1997	121.8	166.8	62	1.95	--	1336	<0.51	75.37
FSW 343-M02-11GN	10/30/1997	160.1	195.3	78	2.53	--	901	<0.51	86.87
FSW 343-M02-12R	10/30/1997	137.9	263.0	54	2.14	--	792	<0.51	70.51
FSW 343-M02-12R-D	10/30/1997	135.3	297.7	56	2.17	--	818	<0.51	73.46

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; µM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Iron, dissolved (µM)	Potassium, dissolved (µM)	Magnesium, dissolved (µM)	Manganese, dissolved (µM)	Molybdenum, dissolved (µM)	Sodium, dissolved (µM)	Nickel, dissolved (µM)	Phosphorus, dissolved (µM)
FSW 343-M02-13BU	10/30/1997	196.3	309.5	58	2.80	--	591	<0.51	44.42
FSW 343-M02-14BK	10/30/1997	232.5	104.4	85	3.40	--	697	<0.51	67.70
FSW 343-M02-15W	10/30/1997	104.6	163.1	69	0.91	--	608	<0.51	16.19
FSW 343-M03-01PT (1-19)	10/30/1997	<0.2	14.7	45	0.25	--	255	<0.51	<3.23
FSW 343-M03-02GNT (1-19)	10/30/1997	<0.2	15.5	38	0.21	--	323	<0.51	<3.23
FSW 343-M03-03RT (1-19)	10/30/1997	<0.2	14.3	45	0.30	--	324	<0.51	<3.23
FSW 343-M03-04BUT (1-19)	10/30/1997	<0.2	42.4	39	0.48	--	311	<0.51	11.89
FSW 343-M03-05BKT (1-19)	10/30/1997	<0.2	81.6	28	<0.20	--	292	<0.51	39.05
FSW 343-M03-06WT (1-19)	10/30/1997	<0.2	106.8	33	<0.20	--	315	<0.51	50.42
FSW 343-M03-06WT (1-19)-D	10/30/1997	0.3	117.9	33	<0.20	--	327	<0.51	52.65
FSW 343-M03-07O (1-19)	10/30/1997	<0.2	133.4	50	0.65	--	422	<0.51	59.40
FSW 343-M03-08GY (1-19)	10/30/1997	<0.2	177.8	81	2.00	--	827	<0.51	50.54
FSW 343-M03-09Y (1-19)	10/30/1997	<0.2	195.7	79	2.48	--	1201	<0.51	43.35
FSW 343-M03-10P (1-19)	10/30/1997	<0.2	202.3	91	2.48	--	1331	<0.51	48.69
FSW 343-M03-11GN (1-19)	10/30/1997	<0.2	213.7	96	2.43	--	1514	<0.51	49.65
FSW 343-M03-12R (1-19)	10/30/1997	<0.2	231.6	104	2.95	--	1617	<0.51	47.14
FSW 343-M03-13BU (1-19)	10/30/1997	<0.2	220.6	97	2.85	--	1611	<0.51	48.45
FSW 343-M03-14BK (1-19)	10/30/1997	<0.2	206.4	79	2.81	--	1604	<0.51	42.23
FSW 343-M03-15W (1-19)	10/30/1997	<0.2	179.4	61	2.55	--	1387	<0.51	53.33
FSW 343-M01-01PT	6/2/1998	--	--	--	--	--	--	--	--
FSW 343-M01-02GNT	6/2/1998	49.3	71.1	74	2.12	--	508	<0.51	6.70
FSW 343-M01-03RT	6/2/1998	<0.2	42.2	43	1.07	--	393	<0.51	3.23
FSW 343-M01-04BUT	6/2/1998	<0.2	47.7	22	0.31	--	454	<0.51	3.23
FSW 343-M01-05BKT	6/2/1998	<0.2	35.2	65	<0.20	--	224	<0.51	3.23

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Iron, dissolved (μM)	Potassium, dissolved (μM)	Magnesium, dissolved (μM)	Manganese, dissolved (μM)	Molybdenum, dissolved (μM)	Sodium, dissolved (μM)	Nickel, dissolved (μM)	Phosphorus, dissolved (μM)
FSW 343-M01-06WT	6/2/1998	<0.2	33.2	83	<0.20	--	210	<0.51	3.23
FSW 343-M01-07O	6/2/1998	<0.2	24.4	92	<0.20	--	209	<0.51	3.23
FSW 343-M01-08GY	6/2/1998	<0.2	25.9	106	<0.20	--	256	<0.51	3.50
FSW 343-M01-09Y	6/2/1998	<0.2	24.9	114	<0.20	--	293	<0.51	3.23
FSW 343-M01-09Y-D	6/2/1998	<0.2	19.6	115	<0.20	--	299	<0.51	3.23
FSW 343-M01-10P	6/2/1998	<0.2	22.4	82	<0.20	--	286	<0.51	5.94
FSW 343-M01-14BK	6/2/1998	<0.2	20.6	101	<0.20	--	278	<0.51	5.00
FSW 343-M01-15W	6/2/1998	<0.2	45.0	115	2.20	--	289	<0.51	6.22
FSW 343-M02-01PT	6/2/1998	--	--	--	--	--	--	--	--
FSW 343-M02-02GNT	6/2/1998	--	--	--	--	--	--	--	--
FSW 343-M02-03RT	6/2/1998	<0.2	147.9	93	3.40	--	1003	<0.51	72.41
FSW 343-M02-04BUT	6/2/1998	<0.2	192.6	83	2.31	--	916	<0.51	83.44
FSW 343-M02-05BKT	6/2/1998	<0.2	261.7	91	2.27	--	693	<0.51	71.01
FSW 343-M02-06WT	6/2/1998	0.2	93.7	106	1.67	--	594	<0.51	60.46
FSW 343-M02-07O	6/2/1998	0.3	210.0	53	1.08	--	1385	<0.51	4.96
FSW 343-M02-08GY	6/2/1998	0.5	229.8	78	1.62	--	448	<0.51	3.98
FSW 343-M02-09Y	6/2/1998	9.8	220.8	108	2.07	--	591	<0.51	3.23
FSW 343-M02-10P	6/2/1998	195.2	241.4	79	2.92	--	1081	<0.51	49.32
FSW 343-M02-10P-D	6/2/1998	190.4	248.9	80	2.90	--	1102	<0.51	48.64
FSW 343-M02-11GN	6/2/1998	213.8	220.8	95	3.36	--	907	<0.51	69.70
FSW 343-M02-12R	6/2/1998	206.1	209.7	76	3.17	--	689	<0.51	48.37
FSW 343-M02-13BU	6/2/1998	166.1	163.2	81	2.22	--	759	<0.51	38.50
FSW 343-M02-14BK	6/2/1998	226.9	166.0	72	3.02	--	753	<0.51	57.85
FSW 343-M02-15W	6/2/1998	67.9	76.1	67	1.10	--	577	<0.51	11.14

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Iron, dissolved (µM)	Potassium, dissolved (µM)	Magnesium, dissolved (µM)	Manganese, dissolved (µM)	Molybdenum, dissolved (µM)	Sodium, dissolved (µM)	Nickel, dissolved (µM)	Phosphorus, dissolved (µM)
FSW 343-M03-01PT (1-19)	6/2/1998	<0.2	21.9	41	0.25	--	256	<0.51	<3.23
FSW 343-M03-02GNT (1-19)	6/2/1998	<0.2	15.1	38	0.32	--	315	<0.51	<3.23
FSW 343-M03-03RT (1-19)	6/2/1998	<0.2	19.1	35	0.32	--	321	<0.51	<3.23
FSW 343-M03-04BUT (1-19)	6/2/1998	<0.2	40.9	29	<0.20	--	307	<0.51	13.99
FSW 343-M03-04BUT (1-19)-D	6/2/1998	<0.2	42.7	29	<0.20	--	314	<0.51	13.29
FSW 343-M03-05BKT (1-19)	6/2/1998	<0.2	70.6	40	<0.20	--	303	<0.51	26.98
FSW 343-M03-06WT (1-19)	6/2/1998	<0.2	98.7	50	0.24	--	314	<0.51	33.49
FSW 343-M03-07O (1-19)	6/2/1998	<0.2	126.6	71	0.98	--	405	<0.51	39.14
FSW 343-M03-08GY (1-19)	6/2/1998	<0.2	148.9	79	1.85	--	473	<0.51	43.27
FSW 343-M03-09Y (1-19)	6/2/1998	<0.2	156.5	74	1.99	--	686	<0.51	53.24
FSW 343-M03-10P (1-19)	6/2/1998	<0.2	197.7	118	2.86	--	775	<0.51	49.61
FSW 343-M03-11GN (1-19)	6/2/1998	<0.2	220.0	133	3.00	--	824	<0.51	47.78
FSW 343-M03-12R (1-19)	6/2/1998	<0.2	221.0	129	3.10	--	888	<0.51	51.82
FSW 343-M03-13BU (1-19)	6/2/1998	<0.2	220.3	121	2.93	--	839	<0.51	50.74
FSW 343-M03-14BK (1-19)	6/2/1998	<0.2	243.4	133	4.09	--	1002	<0.51	47.98
FSW 343-M03-15W (1-19)	6/2/1998	<0.2	244.6	149	5.19	--	1097	<0.51	46.62
FSW 343-M01-01PT	11/10/1998	--	--	--	--	--	--	--	--
FSW 343-M01-02GNT	11/10/1998	37.0	68.7	88	2.16	--	439	<0.51	5.19
FSW 343-M01-03RT	11/10/1998	<0.2	65.2	83	2.17	--	419	<0.51	<2.1
FSW 343-M01-04BUT	11/10/1998	<0.2	54.1	44	0.26	--	376	<0.51	<2.1
FSW 343-M01-05BKT	11/10/1998	<0.2	48.5	165	<0.20	--	312	<0.51	<2.1
FSW 343-M01-06WT	11/10/1998	<0.2	25.8	116	<0.20	--	258	<0.51	<2.1
FSW 343-M01-07O	11/10/1998	<0.2	30.3	101	0.22	--	294	<0.51	7.40
FSW 343-M01-08GY	11/10/1998	<0.2	25.3	107	<0.20	--	289	<0.51	3.33
FSW 343-M01-09Y	11/10/1998	<0.2	15.2	102	<0.20	--	292	<0.51	<2.1

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Iron, dissolved (µM)	Potassium, dissolved (µM)	Magnesium, dissolved (µM)	Manganese, dissolved (µM)	Molybdenum, dissolved (µM)	Sodium, dissolved (µM)	Nickel, dissolved (µM)	Phosphorus, dissolved (µM)
FSW 343-M01-09Y-D	11/10/1998	0.2	16.2	108	<0.20	--	312	<0.51	4.12
FSW 343-M01-10P	11/10/1998	<0.2	23.8	74	<0.20	--	301	<0.51	6.44
FSW 343-M02-01PT	11/10/1998	--	--	--	--	--	--	--	--
FSW 343-M02-02GNT	11/10/1998	--	--	--	--	--	--	--	--
FSW 343-M02-03RT	11/10/1998	<0.2	216.5	82	3.15	--	855	<0.51	86.04
FSW 343-M02-04BUT	11/10/1998	<0.2	196.9	135	3.52	--	620	<0.51	85.74
FSW 343-M02-05BKT	11/10/1998	<0.2	201.6	137	3.20	--	713	<0.51	77.69
FSW 343-M02-06WT	11/10/1998	<0.2	273.4	96	1.76	--	495	<0.51	66.33
FSW 343-M02-07O	11/10/1998	0.2	213.0	104	2.14	--	534	<0.51	4.30
FSW 343-M02-08GY	11/10/1998	0.4	232.6	116	2.68	--	403	<0.51	4.35
FSW 343-M02-09Y	11/10/1998	8.2	180.4	118	1.62	--	389	<0.51	5.62
FSW 343-M02-10P	11/10/1998	256.8	300.9	85	3.89	--	509	<0.51	40.17
FSW 343-M02-10P-D	11/10/1998	257.6	300.7	83	3.83	--	523	<0.51	39.45
FSW 343-M02-11GN	11/10/1998	209.3	268.4	81	3.36	--	654	<0.51	76.55
FSW 343-M02-12R	11/10/1998	144.1	181.4	48	2.18	--	732	<0.51	45.12
FSW 343-M02-13BU	11/10/1998	100.0	130.4	49	1.25	--	606	<0.51	39.24
FSW 343-M02-14BK	11/10/1998	164.8	181.4	46	2.20	--	614	<0.51	62.24
FSW 343-M02-15W	11/10/1998	70.3	102.6	77	1.75	--	560	<0.51	11.29
FSW 343-M03-01PT (1-19)	11/10/1998	<0.2	16.7	44	0.34	--	329	<0.51	<3.23
FSW 343-M03-02GNT (1-19)	11/10/1998	<0.2	11.6	44	0.25	--	323	<0.51	<3.23
FSW 343-M03-03RT (1-19)	11/10/1998	<0.2	17.7	48	<0.20	--	309	<0.51	<3.23
FSW 343-M03-04BUT (1-19)	11/10/1998	<0.2	52.6	38	<0.20	--	266	<0.51	19.57
FSW 343-M03-04BUT (1-19)-D	11/10/1998	<0.2	60.1	40	<0.20	--	284	<0.51	20.67
FSW 343-M03-05BKT (1-19)	11/10/1998	<0.2	107.1	51	<0.20	--	350	<0.51	44.79

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Iron, dissolved (µM)	Potassium, dissolved (µM)	Magnesium, dissolved (µM)	Manganese, dissolved (µM)	Molybdenum, dissolved (µM)	Sodium, dissolved (µM)	Nickel, dissolved (µM)	Phosphorus, dissolved (µM)
FSW 343-M03-06WT (1-19)	11/10/1998	<0.2	120.3	58	0.27	--	338	<0.51	42.35
FSW 343-M03-07O (1-19)	11/10/1998	<0.2	158.2	81	1.46	--	378	<0.51	44.77
FSW 343-M03-08GY (1-19)	11/10/1998	<0.2	206.7	107	2.59	--	455	<0.51	45.65
FSW 343-M03-09Y (1-19)	11/10/1998	0.4	244.1	117	2.95	--	569	<0.51	60.22
FSW 343-M03-10P (1-19)	11/10/1998	<0.2	261.8	111	2.59	--	619	<0.51	71.64
FSW 343-M03-11GN (1-19)	11/10/1998	<0.2	252.2	96	2.16	--	641	<0.51	77.91
FSW 343-M03-12R (1-19)	11/10/1998	<0.2	245.1	89	2.04	--	676	<0.51	85.21
FSW 343-M03-13BU (1-19)	11/10/1998	<0.2	236.0	80	2.02	--	668	<0.51	83.62
FSW 343-M03-14BK (1-19)	11/10/1998	<0.2	244.6	79	2.42	--	731	<0.51	80.25
FSW 343-M03-15W (1-19)	11/10/1998	<0.2	272.9	77	2.95	--	829	<0.51	91.55
FSW 343-M01-02GNT	6/8/1999	<0.2	87.7	78	0.58	--	387	<0.51	<2.1
FSW 343-M01-03RT	6/8/1999	<0.2	50.7	61	<0.20	--	318	<0.51	<2.1
FSW 343-M01-03RT-D	6/8/1999	<0.2	59.0	63	<0.20	--	329	<0.51	<2.1
FSW 343-M01-04BUT	6/8/1999	<0.2	67.0	78	<0.20	--	311	<0.51	<2.1
FSW 343-M01-05BKT	6/8/1999	<0.2	50.4	159	<0.20	--	304	<0.51	<2.1
FSW 343-M01-06WT	6/8/1999	<0.2	24.5	114	<0.20	--	266	<0.51	<2.1
FSW 343-M01-07O	6/8/1999	<0.2	24.2	104	<0.20	--	236	<0.51	<2.1
FSW 343-M01-08GY	6/8/1999	<0.2	14.8	93	<0.20	--	264	<0.51	<2.1
FSW 343-M01-09Y	6/8/1999	<0.2	25.5	115	<0.20	--	289	<0.51	<2.1
FSW 343-M01-10P	6/8/1999	<0.2	14.8	70	<0.20	--	298	<0.51	6.45
FSW 343-M02-01PT	6/8/1999	--	--	--	--	--	--	--	--
FSW 343-M02-02GNT	6/8/1999	--	--	--	--	--	--	--	--
FSW 343-M02-03RT	6/8/1999	<0.2	231.9	116	3.96	--	771	<0.51	66.61
FSW 343-M02-04BUT	6/8/1999	<0.2	219.9	203	4.28	--	826	<0.51	71.10

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Iron, dissolved (μM)	Potassium, dissolved (μM)	Magnesium, dissolved (μM)	Manganese, dissolved (μM)	Molybdenum, dissolved (μM)	Sodium, dissolved (μM)	Nickel, dissolved (μM)	Phosphorus, dissolved (μM)
FSW 343-M02-05BKT	6/8/1999	<0.2	228.5	157	3.42	--	585	<0.51	63.09
FSW 343-M02-06WT	6/8/1999	<0.2	216.1	107	1.78	--	380	<0.51	56.72
FSW 343-M02-07O	6/8/1999	<0.2	200.2	81	1.76	--	332	<0.51	<2.1
FSW 343-M02-08GY	6/8/1999	0.4	220.9	91	2.24	--	362	<0.51	4.89
FSW 343-M02-09Y	6/8/1999	10.0	191.6	100	1.68	--	471	<0.51	4.78
FSW 343-M02-09Y-D	6/8/1999	10.1	189.8	100	1.65	--	467	<0.51	5.32
FSW 343-M02-10P	6/8/1999	171.7	272.0	66	2.53	--	617	<0.51	36.15
FSW 343-M02-11GN	6/8/1999	148.9	205.0	52	2.42	--	692	<0.51	79.69
FSW 343-M02-12R	6/8/1999	125.2	136.7	44	1.79	--	703	<0.51	68.59
FSW 343-M02-13BU	6/8/1999	98.3	121.5	53	1.26	--	590	<0.51	51.67
FSW 343-M02-14BK	6/8/1999	121.2	117.0	51	1.68	--	477	<0.51	47.09
FSW 343-M02-15W	6/8/1999	49.4	60.1	61	1.70	--	442	<0.51	9.13
FSW 343-M03-01PT (1-19)	6/8/1999	<0.2	23.1	43	0.37	--	259	<0.51	<3.23
FSW 343-M03-02GNT (1-19)	6/8/1999	<0.2	14.2	41	<0.20	--	305	<0.51	<3.23
FSW 343-M03-03RT (1-19)	6/8/1999	<0.2	27.6	64	0.21	--	295	<0.51	<3.23
FSW 343-M03-04BUT (1-19)	6/8/1999	<0.2	80.4	75	<0.20	--	293	<0.51	14.78
FSW 343-M03-05BKT (1-19)	6/8/1999	<0.2	112.2	83	<0.20	--	308	<0.51	24.92
FSW 343-M03-06WT (1-19)	6/8/1999	<0.2	127.0	84	0.36	--	326	<0.51	28.20
FSW 343-M03-06WT (1-19)-D	6/8/1999	<0.2	127.4	86	0.38	--	337	<0.51	29.25
FSW 343-M03-07O (1-19)	6/8/1999	<0.2	142.2	82	1.68	--	366	<0.51	35.25
FSW 343-M03-08GY (1-19)	6/8/1999	<0.2	168.1	90	2.13	--	432	<0.51	41.57
FSW 343-M03-09Y (1-19)	6/8/1999	<0.2	198.1	92	2.36	--	543	<0.51	50.08
FSW 343-M03-10P (1-19)	6/8/1999	<0.2	214.7	91	2.17	--	588	<0.51	62.52
FSW 343-M03-11GN (1-19)	6/8/1999	<0.2	216.1	97	2.24	--	637	<0.51	66.81
FSW 343-M03-12R (1-19)	6/8/1999	<0.2	218.5	98	2.34	--	664	<0.51	70.67

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; µM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Iron, dissolved (µM)	Potassium, dissolved (µM)	Magnesium, dissolved (µM)	Manganese, dissolved (µM)	Molybdenum, dissolved (µM)	Sodium, dissolved (µM)	Nickel, dissolved (µM)	Phosphorus, dissolved (µM)
FSW 343-M03-13BU (1-19)	6/8/1999	<0.2	212.3	90	2.37	--	693	<0.51	68.55
FSW 343-M03-14BK (1-19)	6/8/1999	<0.2	231.3	86	2.93	--	759	<0.51	70.27
FSW 343-M03-14BK (1-19)-D	6/8/1999	<0.2	226.8	84	2.83	--	731	<0.51	68.61
FSW 343-M03-15W (1-19)	6/8/1999	<0.2	218.1	92	3.55	--	752	<0.51	67.32
FSW 343-M01-01PT	6/13/2000	--	--	--	--	--	--	--	--
FSW 343-M01-02GNT	6/13/2000	1.8	93.8	104	0.36	<0.02	399	<0.51	<2.1
FSW 343-M01-03RT	6/13/2000	<0.09	77.6	104	0.14	<0.02	348	<0.51	<2.1
FSW 343-M01-04BUT	6/13/2000	<0.09	117.9	147	0.42	<0.02	340	<0.51	<2.1
FSW 343-M01-05BKT	6/13/2000	<0.09	35.1	90	0.06	<0.02	236	<0.51	<2.1
FSW 343-M01-06WT	6/13/2000	<0.09	24.4	75	0.11	<0.02	213	<0.51	<2.1
FSW 343-M01-06WT-D	6/13/2000	<0.09	27.6	83	0.12	<0.02	224	<0.51	<2.1
FSW 343-M01-07O	6/13/2000	<0.09	30.3	108	0.16	<0.02	221	<0.51	<2.1
FSW 343-M01-08GY	6/13/2000	<0.09	24.0	105	0.07	<0.02	266	<0.51	2.65
FSW 343-M01-09Y	6/13/2000	<0.09	21.7	141	0.10	<0.02	301	<0.51	2.72
FSW 343-M01-09Y-D	6/13/2000	<0.09	18.5	126	0.08	<0.02	248	<0.51	2.46
FSW 343-M01-10P	6/13/2000	<0.09	25.4	98	0.12	<0.02	347	<0.51	6.71
FSW 343-M02-01PT	6/14/2000	--	--	--	--	--	--	--	--
FSW 343-M02-02GNT	6/14/2000	--	--	--	--	--	--	--	--
FSW 343-M02-03RT	6/14/2000	<0.09	258.0	146	4.09	<0.02	723	0.085	89.96
FSW 343-M02-04BUT	6/14/2000	<0.09	244.1	183	3.74	<0.02	498	0.062	82.42
FSW 343-M02-05BKT	6/14/2000	<0.09	213.2	207	4.42	<0.02	491	0.051	72.09
FSW 343-M02-06WT	6/14/2000	0.4	178.0	227	3.90	<0.02	524	<0.05	60.64
FSW 343-M02-07O	6/13/2000	0.8	284.8	184	3.90	<0.02	542	<0.05	5.86
FSW 343-M02-08GY	6/13/2000	1.5	291.9	211	4.48	<0.02	577	<0.05	6.96

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Iron, dissolved (μM)	Potassium, dissolved (μM)	Magnesium, dissolved (μM)	Manganese, dissolved (μM)	Molybdenum, dissolved (μM)	Sodium, dissolved (μM)	Nickel, dissolved (μM)	Phosphorus, dissolved (μM)
FSW 343-M02-09Y	6/13/2000	22.7	259.3	228	4.52	<0.02	763	<0.05	9.16
FSW 343-M02-10P	6/13/2000	381.9	388.6	205	5.60	<0.02	787	<0.05	31.46
FSW 343-M02-11GN	6/13/2000	554.5	300.0	200	8.76	<0.02	779	<0.05	63.17
FSW 343-M02-13BU	6/13/2000	227.5	111.6	94	3.26	<0.02	830	<0.05	91.38
FSW 343-M02-13BU-D	6/13/2000	196.5	96.0	82	2.69	<0.02	715	<0.05	78.97
FSW 343-M02-14BK	6/13/2000	203.2	98.4	96	2.70	<0.02	648	<0.05	49.38
FSW 343-M02-15W	6/13/2000	54.0	95.7	95	2.58	<0.02	660	<0.05	13.04
FSW 343-M03-01PT (1-19)	6/14/2000	<0.09	20.9	66	0.84	<0.02	347	<0.05	<2.4
FSW 343-M03-02GNT (1-19)	6/14/2000	<0.09	225.2	136	3.27	<0.02	796	0.231	74.12
FSW 343-M03-03RT (1-19)	6/14/2000	<0.09	26.0	63	0.07	<0.02	315	0.067	4.85
FSW 343-M03-03RT (1-19)-D	6/14/2000	<0.09	24.9	61	0.07	<0.02	315	0.065	4.87
FSW 343-M03-04BUT (1-19)	6/14/2000	<0.09	63.1	74	0.09	<0.02	265	0.140	17.57
FSW 343-M03-05BKT (1-19)	6/14/2000	<0.09	107.0	95	0.14	<0.02	331	0.198	33.53
FSW 343-M03-06WT (1-19)	6/14/2000	<0.09	130.9	100	0.41	<0.02	415	0.196	45.77
FSW 343-M03-06WT (1-19)-X	6/14/2000	0.5	47.8	<4	<0.04	<0.02	1415	0.070	48.76
FSW 343-M03-07O (1-19)	6/14/2000	<0.09	165.4	106	1.46	<0.02	550	0.247	73.92
FSW 343-M03-08GY (1-19)	6/14/2000	<0.09	195.0	124	2.57	<0.02	645	0.257	77.49
FSW 343-M03-08GY (1-19)-X	6/14/2000	0.4	11.7	<4	<0.04	<0.02	2113	0.066	73.33
FSW 343-M03-09Y (1-19)	6/14/2000	0.2	233.5	133	3.05	<0.02	739	0.266	80.82
FSW 343-M03-10P (1-19)	6/14/2000	<0.09	231.1	133	3.05	<0.02	807	0.254	82.73
FSW 343-M03-11GN (1-19)	6/14/2000	<0.09	26.6	81	0.10	<0.02	349	<0.05	<2.4
FSW 343-M03-11GN (1-19)-D	6/14/2000	<0.09	25.4	79	0.10	<0.02	346	<0.05	<2.4
FSW 343-M03-12R (1-19)	6/14/2000	<0.09	240.6	154	3.68	<0.02	877	0.243	79.45
FSW 343-M03-13BU (1-19)	6/14/2000	<0.09	214.1	135	3.10	<0.02	817	0.209	77.61
FSW 343-M03-14BK (1-19)	6/14/2000	<0.09	227.1	120	3.20	<0.02	810	0.169	85.14

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Iron, dissolved (µM)	Potassium, dissolved (µM)	Magnesium, dissolved (µM)	Manganese, dissolved (µM)	Molybdenum, dissolved (µM)	Sodium, dissolved (µM)	Nickel, dissolved (µM)	Phosphorus, dissolved (µM)
FSW 343-M03-15W (1-19)	6/14/2000	<0.09	228.8	141	4.05	<0.02	826	0.157	80.89
FSW 343-M01-01PT	6/18/2002								
FSW 343-M01-02GNT	6/18/2002	<0.09	51.1	81	0.23	<0.02	689	<0.51	<2.1
FSW 343-M01-03RT	6/18/2002	<0.09	43.2	85	0.12	<0.02	431	<0.51	<2.1
FSW 343-M01-04BUT	6/18/2002	<0.09	48.3	66	0.10	<0.02	308	<0.51	<2.1
FSW 343-M01-05BKT	6/18/2002	<0.09	25.0	80	0.06	<0.02	167	<0.51	<2.1
FSW 343-M01-06WT	6/18/2002	<0.09	19.8	72	0.13	<0.02	172	<0.51	<2.1
FSW 343-M01-07O	6/18/2002	<0.09	23.4	151	0.17	<0.02	225	<0.51	<2.1
FSW 343-M01-07O-D	6/18/2002	<0.09	23.9	153	0.16	<0.02	232	<0.51	<2.1
FSW 343-M01-08GY	6/18/2002	<0.09	20.0	144	0.07	<0.02	241	<0.51	<2.1
FSW 343-M01-09Y	6/18/2002	<0.09	17.7	148	0.08	<0.02	244	<0.51	<2.1
FSW 343-M01-10P	6/18/2002	<0.09	18.9	76	0.07	<0.02	231	<0.51	4.31
FSW 343-M02-01PT	6/18/2002	--	--	--	--	--	--	--	--
FSW 343-M02-02GNT	6/18/2002	--	--	--	--	--	--	--	--
FSW 343-M02-03RT	6/18/2002	<0.09	169.3	106	2.93	<0.02	552	0.060	49.83
FSW 343-M02-04BUT	6/18/2002	<0.09	168.6	94	2.78	<0.02	715	<0.05	51.57
FSW 343-M02-05BKT	6/18/2002	0.2	180.3	108	3.03	<0.02	665	0.052	43.68
FSW 343-M02-06WT	6/18/2002	1.2	183.0	112	3.00	<0.02	780	<0.05	48.09
FSW 343-M02-07O	6/18/2002	1.4	173.3	172	2.99	0.02	744	<0.05	4.99
FSW 343-M02-08GY	6/18/2002	3.5	171.9	161	2.93	<0.02	822	<0.05	6.75
FSW 343-M02-09Y	6/18/2002	19.7	161.1	160	3.34	0.02	903	<0.05	31.96
FSW 343-M02-10P	6/18/2002	249.2	171.2	153	4.19	<0.02	829	<0.05	24.34
FSW 343-M02-11GN	6/18/2002	326.1	122.7	138	4.01	<0.02	878	<0.05	90.03
FSW 343-M02-12R	6/18/2002	278.8	118.7	81	3.05	<0.02	1094	<0.05	77.39

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Iron, dissolved (µM)	Potassium, dissolved (µM)	Magnesium, dissolved (µM)	Manganese, dissolved (µM)	Molybdenum, dissolved (µM)	Sodium, dissolved (µM)	Nickel, dissolved (µM)	Phosphorus, dissolved (µM)
FSW 343-M02-13BU	6/18/2002	254.6	113.7	69	2.89	<0.02	1124	<0.05	49.17
FSW 343-M02-14BK	6/18/2002	214.5	124.7	81	2.79	<0.02	1162	<0.05	41.18
FSW 343-M02-15W	6/18/2002	13.8	76.4	93	2.58	<0.02	1146	<0.05	2.83
FSW 343-M02-15W-D	6/18/2002	13.9	76.6	94	2.63	<0.02	1148	<0.05	2.78
FSW 343-M03-01PT (1-19)	6/18/2002	--	--	--	--	--	--	--	--
FSW 343-M03-02GNT (1-19)	6/18/2002	<0.09	168.0	93	1.82	<0.02	477	0.168	63.57
FSW 343-M03-03RT (1-19)	6/18/2002	<0.09	27.0	48	<0.04	<0.02	214	<0.05	5.26
FSW 343-M03-04BUT (1-19)	6/18/2002	<0.09	50.3	38	<0.04	<0.02	220	0.075	15.32
FSW 343-M03-05BKT (1-19)	6/18/2002	<0.09	92.9	57	0.05	<0.02	202	0.116	30.74
FSW 343-M03-06WT (1-19)	6/18/2002	<0.09	117.8	70	0.13	<0.02	210	0.135	40.03
FSW 343-M03-06WT (1-19)-D	6/18/2002	<0.09	134.2	64	0.11	<0.02	241	0.133	38.72
FSW 343-M03-06WT (1-19)-X	6/18/2002	<0.09	<3.8	<4	<0.04	<0.02	1380	<0.05	37.77
FSW 343-M03-07O (1-19)	6/18/2002	<0.09	150.3	71	0.44	<0.02	255	0.174	46.60
FSW 343-M03-08GY (1-19)	6/18/2002	<0.09	176.2	76	1.54	<0.02	341	0.183	56.27
FSW 343-M03-08GY (1-19)-X	6/18/2002	<0.09	22.6	<4	<0.04	<0.02	1329	<0.05	51.47
FSW 343-M03-09Y (1-19)	6/18/2002	<0.09	178.3	77	1.75	<0.02	364	0.171	59.00
FSW 343-M03-10P (1-19)	6/18/2002	<0.09	180.8	80	1.74	<0.02	474	0.165	61.25
FSW 343-M03-12R (1-19)	6/18/2002	<0.09	180.0	91	1.84	<0.02	568	0.162	60.02
FSW 343-M03-13BU (1-19)	6/18/2002	<0.09	178.4	97	1.98	<0.02	588	0.148	58.93
FSW 343-M03-14BK (1-19)	6/18/2002	<0.09	186.6	105	2.41	<0.02	573	0.131	57.76
FSW 343-M03-15W (1-19)	6/18/2002	<0.09	180.9	105	2.76	<0.02	569	0.112	54.84
FSW 343-M01-01PT	8/24/2004	91.5	51.4	44	2.65	--	984	<0.51	10.72
FSW 343-M01-02GNT	8/24/2004	0.6	46.5	46	0.53	--	682	<0.51	<2.1
FSW 343-M01-03RT	8/24/2004	<0.09	39.1	68	0.13	--	538	<0.51	<2.1

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Iron, dissolved (μM)	Potassium, dissolved (μM)	Magnesium, dissolved (μM)	Manganese, dissolved (μM)	Molybdenum, dissolved (μM)	Sodium, dissolved (μM)	Nickel, dissolved (μM)	Phosphorus, dissolved (μM)
FSW 343-M01-05BKT	8/24/2004	<0.09	17.5	69	0.13	--	244	<0.51	<2.1
FSW 343-M01-05BKT-D	8/24/2004	<0.09	20.7	69	0.13	--	241	<0.51	<2.1
FSW 343-M01-06WT	8/24/2004	<0.09	18.2	87	0.19	--	260	<0.51	<2.1
FSW 343-M01-07O	8/24/2004	<0.09	23.5	107	0.19	--	268	<0.51	<2.1
FSW 343-M01-08GY	8/24/2004	<0.09	23.4	168	0.11	--	266	<0.51	2.61
FSW 343-M01-09Y	8/24/2004	<0.09	18.9	121	0.08	--	253	<0.51	2.79
FSW 343-M01-10P	8/24/2004	<0.09	16.0	87	0.08	--	267	<0.51	6.26
FSW 343-M01-11GN	8/24/2004	0.2	21.2	68	0.11	--	321	<0.51	7.45
FSW 343-M01-12R	8/24/2004	<0.09	13.9	69	0.08	--	319	<0.51	6.98
FSW 343-M01-13BU	8/24/2004	<0.09	37.0	67	0.08	--	368	<0.51	<2.1
FSW 343-M01-13BU-D	8/24/2004	<0.09	31.7	67	0.08	--	383	<0.51	<2.1
FSW 343-M01-14BK	8/24/2004	<0.09	14.2	49	0.05	--	381	<0.51	7.54
FSW 343-M01-15W	8/24/2004	<0.09	25.5	72	0.16	--	386	<0.51	8.34
FSW 343-M02-01PT	8/23/2004	<0.09	124.9	113	1.83	--	317	0.155	60.57
FSW 343-M02-02GNT	8/23/2004	0.3	93.6	134	2.74	--	414	0.097	55.30
FSW 343-M02-03RT	8/23/2004	3.3	93.0	126	2.78	--	383	0.055	53.59
FSW 343-M02-04BUT	8/23/2004	1.0	80.8	109	2.54	--	373	<0.05	55.72
FSW 343-M02-05BKT	8/23/2004	0.6	99.6	99	4.09	--	347	<0.05	45.26
FSW 343-M02-05BKT-D	8/23/2004	0.6	97.6	97	3.99	--	355	<0.05	44.46
FSW 343-M02-06WT	8/23/2004	3.0	103.2	85	4.69	--	344	<0.05	41.49
FSW 343-M02-07O	8/23/2004	2.4	116.8	90	2.87	--	485	<0.05	29.01
FSW 343-M02-08GY	8/23/2004	3.9	126.8	95	3.22	--	581	<0.05	22.39
FSW 343-M02-09Y	8/23/2004	18.9	101.2	69	2.86	--	717	<0.05	57.44
FSW 343-M02-10P	8/23/2004	102.0	109.0	80	2.81	--	821	<0.05	33.61
FSW 343-M02-11GN	8/23/2004	165.4	96.8	62	2.16	--	823	<0.05	79.26

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; µM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Iron, dissolved (µM)	Potassium, dissolved (µM)	Magnesium, dissolved (µM)	Manganese, dissolved (µM)	Molybdenum, dissolved (µM)	Sodium, dissolved (µM)	Nickel, dissolved (µM)	Phosphorus, dissolved (µM)
FSW 343-M02-12R	8/23/2004	120.8	61.7	40	2.28	--	823	<0.05	53.79
FSW 343-M02-14BK	8/23/2004	148.2	65.1	53	2.38	--	988	<0.05	20.93
FSW 343-M02-15W	8/23/2004	21.2	44.4	48	2.26	--	894	<0.05	3.49
FSW 343-M03-01PT (1-19)	8/24/2004	<0.09	21.4	39	0.06	--	270	<0.05	<2.4
FSW 343-M03-02GNT (1-19)	8/24/2004	<0.09	19.9	38	0.05	--	326	<0.05	<2.4
FSW 343-M03-03RT (1-19)	8/24/2004	<0.09	19.8	45	0.21	--	321	<0.05	<2.4
FSW 343-M03-04BUT (1-19)	8/24/2004	<0.09	45.5	37	0.18	--	275	<0.05	15.73
FSW 343-M03-05BKT (1-19)	8/24/2004	<0.09	74.8	37	<0.04	--	190	0.080	39.10
FSW 343-M03-06WT (1-19)	8/24/2004	<0.09	86.5	40	0.07	--	155	0.106	47.72
FSW 343-M03-06WT (1-19)-D	8/24/2004	<0.09	77.2	41	0.07	--	175	0.107	48.59
FSW 343-M03-07O (1-19)	8/24/2004	<0.09	91.1	47	0.42	--	153	0.141	57.11
FSW 343-M03-08GY (1-19)	8/24/2004	<0.09	115.4	70	1.30	--	179	0.191	63.96
FSW 343-M03-09Y (1-19)	8/24/2004	<0.09	130.8	80	1.55	--	184	0.189	61.08
FSW 343-M03-10P (1-19)	8/24/2004	<0.09	121.0	87	1.63	--	224	0.177	62.73
FSW 343-M03-11GN (1-19)	8/24/2004	<0.09	124.1	92	1.61	--	258	0.153	59.21
FSW 343-M03-12R (1-19)	8/24/2004	<0.09	117.2	98	1.72	--	337	0.141	59.47
FSW 343-M03-13BU (1-19)	8/24/2004	0.1	112.6	99	1.85	--	366	0.123	56.73
FSW 343-M03-14BK (1-19)	8/24/2004	<0.09	107.0	104	2.27	--	387	0.109	55.43
FSW 343-M03-15W (1-19)	8/24/2004	<0.09	104.0	111	2.57	--	360	0.087	54.27
FSW 424-M01-01PT	12/1/1994	<0.2	155.6	209	42.99	--	1762	<0.51	44.18
FSW 424-M01-02GNT	12/1/1994	0.2	115.0	218	48.09	--	1747	<0.51	35.13
FSW 424-M01-03RT	12/1/1994	0.2	137.1	186	42.35	--	1942	<0.51	42.92
FSW 424-M01-04BUT	12/1/1994	0.2	222.5	176	40.69	--	2238	<0.51	51.51
FSW 424-M01-05BKT	12/1/1994	<0.2	187.2	168	43.74	--	2046	<0.51	39.71

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; µM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Iron, dissolved (µM)	Potassium, dissolved (µM)	Magnesium, dissolved (µM)	Manganese, dissolved (µM)	Molybdenum, dissolved (µM)	Sodium, dissolved (µM)	Nickel, dissolved (µM)	Phosphorus, dissolved (µM)
FSW 424-M01-06WT	12/1/1994	<0.2	168.0	179	50.67	--	1597	<0.51	30.77
FSW 424-M01-07O	12/1/1994	<0.2	107.4	142	41.26	--	1390	<0.51	27.39
FSW 424-M01-08GY	12/1/1994	<0.2	51.8	171	65.38	--	1229	<0.51	18.44
FSW 424-M01-09Y	12/1/1994	<0.2	47.1	148	64.04	--	958	<0.51	13.69
FSW 424-M01-10P	12/1/1994	<0.2	22.0	147	60.76	--	925	<0.51	16.67
FSW 424-M01-11GN	12/1/1994	<0.2	28.7	118	44.61	--	809	<0.51	16.66
FSW 424-M01-12R	12/1/1994	<0.2	28.2	80	33.60	--	589	<0.51	13.26
FSW 424-M01-13BU	12/1/1994	<0.2	26.8	88	36.32	--	587	<0.51	10.99
FSW 424-M01-13BU-D	12/1/1994	<0.2	24.9	94	37.58	--	659	<0.51	12.02
FSW 424-M01-14BK	12/1/1994	<0.2	44.3	131	27.25	--	454	<0.51	9.40
FSW 424-M01-15W	12/1/1994	<0.2	63.1	78	10.35	--	325	<0.51	4.42
FSW 424-M02-01PT (72-13)	12/2/1994	0.5	16.5	33	0.64	--	500	<0.51	<3.23
FSW 424-M02-02GNT (72-13)	12/2/1994	8.7	14.3	35	0.81	--	379	<0.51	<3.23
FSW 424-M02-03RT (72-13)	12/2/1994	<0.2	<10.2	30	<0.20	--	289	<0.51	<3.23
FSW 424-M02-04BUT (72-13)	12/2/1994	<0.2	11.7	29	<0.20	--	241	<0.51	<3.23
FSW 424-M02-05BKT (72-13)	12/2/1994	0.5	15.4	32	<0.20	--	222	<0.51	<3.23
FSW 424-M02-06WT (72-13)	12/2/1994	1.8	32.7	50	<0.20	--	304	<0.51	<3.23
FSW 424-M02-07O (72-13)	12/2/1994	2.9	70.1	100	<0.20	--	558	<0.51	<3.23
FSW 424-M02-08GY (72-13)	12/2/1994	3.4	100.0	157	<0.20	--	906	<0.51	11.14
FSW 424-M02-09Y (72-13)	12/2/1994	0.8	143.8	258	20.23	--	1569	<0.51	19.27
FSW 424-M02-10P (72-13)	12/2/1994	0.2	173.2	303	45.63	--	1890	<0.51	23.30
FSW 424-M02-11GN (72-13)	12/2/1994	<0.2	208.1	316	53.63	--	1935	<0.51	27.65
FSW 424-M02-12R (72-13)	12/2/1994	<0.2	239.1	267	58.30	--	1864	<0.51	34.61
FSW 424-M02-13BU (72-13)	12/2/1994	<0.2	262.5	246	55.17	--	2076	<0.51	35.85
FSW 424-M02-14BK (72-13)	12/2/1994	<0.2	245.7	221	40.60	--	2190	<0.51	38.40

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Iron, dissolved (μM)	Potassium, dissolved (μM)	Magnesium, dissolved (μM)	Manganese, dissolved (μM)	Molybdenum, dissolved (μM)	Sodium, dissolved (μM)	Nickel, dissolved (μM)	Phosphorus, dissolved (μM)
FSW 424-M02-14BK (72-13)-D	12/2/1994	<0.2	222.1	211	39.48	--	2133	<0.51	35.58
FSW 424-M02-15W (72-13)	12/2/1994	<0.2	179.6	184	41.47	--	2030	<0.51	38.17
FSW 424-M01-01PT	7/9/1996	0.3	209.8	168	38.71	--	2332	<0.51	45.81
FSW 424-M01-02GNT	7/9/1996	0.4	188.1	172	42.83	--	2197	<0.51	48.78
FSW 424-M01-02GNT-D	7/9/1996	0.3	196.4	170	43.03	--	2036	<0.51	47.96
FSW 424-M01-03RT	7/9/1996	<0.2	184.2	146	36.82	--	1863	<0.51	47.62
FSW 424-M01-04BUT	7/9/1996	<0.2	196.3	115	32.64	--	1933	<0.51	53.44
FSW 424-M01-05BKT	7/9/1996	<0.2	146.9	55	17.91	--	1401	<0.51	67.98
FSW 424-M01-06WT	7/9/1996	<0.2	150.0	64	19.03	--	1419	<0.51	66.03
FSW 424-M01-07O	7/9/1996	<0.2	123.1	58	17.49	--	1224	<0.51	56.86
FSW 424-M01-08GY	7/9/1996	1.0	66.0	55	20.33	--	1115	<0.51	45.65
FSW 424-M01-09Y	7/9/1996	<0.2	61.3	63	27.22	--	1134	<0.51	31.00
FSW 424-M01-10P	7/9/1996	<0.2	48.6	72	30.47	--	1017	<0.51	25.22
FSW 424-M01-11GN	7/9/1996	<0.2	57.4	65	24.93	--	1146	<0.51	28.09
FSW 424-M01-11GN-D	7/9/1996	<0.2	51.9	59	23.10	--	948	<0.51	23.70
FSW 424-M01-12R	7/9/1996	<0.2	53.3	56	22.77	--	1149	<0.51	22.96
FSW 424-M01-13BU	7/9/1996	<0.2	41.6	75	30.93	--	1185	<0.51	15.80
FSW 424-M01-14BK	7/9/1996	<0.2	49.4	103	23.77	--	875	<0.51	7.99
FSW 424-M01-15W	7/9/1996	<0.2	65.4	100	11.99	--	421	<0.51	<3.23
FSW 424-M02-01PT (72-13)	7/10/1996	<0.2	21.6	113	0.21	--	1028	<0.51	<3.23
FSW 424-M02-02GNT (72-13)	7/10/1996	<0.2	11.8	55	0.29	--	1163	<0.51	<3.23
FSW 424-M02-03RT (72-13)	7/10/1996	0.3	19.4	40	<0.20	--	589	<0.51	<3.23
FSW 424-M02-04BUT (72-13)	7/10/1996	<0.2	21.1	45	<0.20	--	495	<0.51	<3.23
FSW 424-M02-05BKT (72-13)	7/10/1996	<0.2	31.5	47	<0.20	--	424	<0.51	<3.23

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Iron, dissolved (μM)	Potassium, dissolved (μM)	Magnesium, dissolved (μM)	Manganese, dissolved (μM)	Molybdenum, dissolved (μM)	Sodium, dissolved (μM)	Nickel, dissolved (μM)	Phosphorus, dissolved (μM)
FSW 424-M02-05BKT (72-13)-D	7/10/1996	<0.2	31.9	47	<0.20	--	423	<0.51	<3.23
FSW 424-M02-06WT (72-13)	7/10/1996	<0.2	46.0	52	<0.20	--	469	<0.51	<3.23
FSW 424-M02-07O (72-13)	7/10/1996	<0.2	54.3	52	<0.20	--	611	<0.51	<3.23
FSW 424-M02-08GY (72-13)	7/10/1996	<0.2	87.5	67	<0.20	--	873	<0.51	13.51
FSW 424-M02-09Y (72-13)	7/10/1996	<0.2	127.5	93	3.18	--	1226	<0.51	22.74
FSW 424-M02-10P (72-13)	7/10/1996	<0.2	214.2	167	22.09	--	2063	<0.51	32.27
FSW 424-M02-11GN (72-13)	7/10/1996	0.2	264.2	225	39.14	--	2257	<0.51	34.33
FSW 424-M02-12R (72-13)	7/10/1996	<0.2	294.2	270	58.69	--	2272	<0.51	34.34
FSW 424-M02-13BU (72-13)	7/10/1996	<0.2	300.3	303	64.25	--	2484	<0.51	34.75
FSW 424-M02-14BK (72-13)	7/10/1996	<0.2	193.1	291	50.85	--	2491	<0.51	33.07
FSW 424-M02-14BK (72-13)-D	7/10/1996	<0.2	215.6	322	56.07	--	2768	<0.51	36.72
FSW 424-M02-15W (72-13)	7/10/1996	<0.2	262.8	303	61.34	--	2644	<0.51	33.04
FSW 424-M01-01PT	6/11/1997	<0.2	195.7	148	36.70	--	1928	<0.51	39.35
FSW 424-M01-01PT-D	6/11/1997	<0.2	186.2	148	36.17	--	1934	<0.51	38.66
FSW 424-M01-02GNT	6/11/1997	<0.2	210.9	173	45.55	--	1743	<0.51	33.18
FSW 424-M01-03RT	6/11/1997	<0.2	183.4	146	42.40	--	1307	<0.51	34.02
FSW 424-M01-04BUT	6/11/1997	<0.2	196.3	159	53.49	--	889	<0.51	27.92
FSW 424-M01-05BKT	6/11/1997	<0.2	188.1	127	42.41	--	535	<0.51	29.32
FSW 424-M01-06WT	6/11/1997	<0.2	157.6	110	36.80	--	498	<0.51	28.42
FSW 424-M01-07O	6/11/1997	<0.2	105.5	123	40.74	--	511	<0.51	22.06
FSW 424-M01-08GY	6/11/1997	<0.2	79.1	159	65.30	--	551	<0.51	14.73
FSW 424-M01-09Y	6/11/1997	<0.2	84.4	161	75.25	--	580	<0.51	11.49
FSW 424-M01-09Y-D	6/11/1997	<0.2	79.5	162	74.21	--	597	<0.51	13.60
FSW 424-M01-10P	6/11/1997	<0.2	82.0	155	69.78	--	559	<0.51	13.39
FSW 424-M01-11GN	6/11/1997	<0.2	83.2	126	54.21	--	505	<0.51	11.73

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Well or multilevel-sampler port	Date	Iron, dissolved (µM)	Potassium, dissolved (µM)	Magnesium, dissolved (µM)	Manganese, dissolved (µM)	Molybdenum, dissolved (µM)	Sodium, dissolved (µM)	Nickel, dissolved (µM)	Phosphorus, dissolved (µM)
FSW 424-M01-12R	6/11/1997	<0.2	95.5	118	54.68	--	436	<0.51	10.37
FSW 424-M01-13BU	6/11/1997	<0.2	51.6	111	49.34	--	372	<0.51	8.30
FSW 424-M01-14BK	6/11/1997	<0.2	48.6	127	29.91	--	310	<0.51	6.06
FSW 424-M01-15W	6/11/1997	<0.2	84.4	113	12.92	--	274	<0.51	<3.23
FSW 424-M02-01PT (72-13)	6/11/1997	<0.2	20.2	52	<0.20	--	679	<0.51	<3.23
FSW 424-M02-02GNT (72-13)	6/11/1997	<0.2	18.0	48	<0.20	--	584	<0.51	<3.23
FSW 424-M02-03RT (72-13)	6/11/1997	<0.2	22.5	47	0.36	--	340	<0.51	<3.23
FSW 424-M02-04BUT (72-13)	6/11/1997	<0.2	18.4	37	<0.20	--	217	<0.51	<3.23
FSW 424-M02-04BUT (72-13)-D	6/11/1997	<0.2	15.7	37	0.27	--	210	<0.51	<3.23
FSW 424-M02-05BKT (72-13)	6/11/1997	<0.2	16.6	28	<0.20	--	172	<0.51	<3.23
FSW 424-M02-06WT (72-13)	6/11/1997	<0.2	30.6	25	<0.20	--	238	<0.51	<3.23
FSW 424-M02-07O (72-13)	6/11/1997	<0.2	58.9	39	<0.20	--	385	<0.51	<3.23
FSW 424-M02-08GY (72-13)	6/11/1997	<0.2	94.9	70	<0.20	--	702	<0.51	16.31
FSW 424-M02-09Y (72-13)	6/11/1997	<0.2	155.6	141	4.03	--	1190	<0.51	19.25
FSW 424-M02-10P (72-13)	6/11/1997	<0.2	206.8	252	31.92	--	1820	<0.51	22.40
FSW 424-M02-11GN (72-13)	6/11/1997	<0.2	252.7	308	46.87	--	2073	<0.51	25.05
FSW 424-M02-12R (72-13)	6/11/1997	0.2	336.7	320	61.90	--	2242	<0.51	30.18
FSW 424-M02-13BU (72-13)	6/11/1997	0.3	298.1	263	45.55	--	2133	<0.51	31.60
FSW 424-M02-13BU (72-13)-D	6/11/1997	0.3	286.8	261	45.50	--	2112	<0.51	30.23
FSW 424-M02-14BK (72-13)	6/11/1997	0.2	204.6	154	25.92	--	2029	<0.51	37.16
FSW 424-M02-15W (72-13)	6/11/1997	0.2	182.5	146	29.48	--	1932	<0.51	35.86
FSW 424-M01-01PT	6/10/1998	<0.2	178.2	167	38.68	--	2470	<0.51	33.75
FSW 424-M01-02GNT	6/10/1998	<0.2	181.0	162	44.12	--	2433	<0.51	31.85
FSW 424-M01-03RT	6/10/1998	<0.2	160.4	155	47.57	--	2366	<0.51	29.37

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; µM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Iron, dissolved (µM)	Potassium, dissolved (µM)	Magnesium, dissolved (µM)	Manganese, dissolved (µM)	Molybdenum, dissolved (µM)	Sodium, dissolved (µM)	Nickel, dissolved (µM)	Phosphorus, dissolved (µM)
FSW 424-M01-04BUT	6/10/1998	<0.2	162.7	140	45.73	--	2132	<0.51	28.95
FSW 424-M01-05BKT	6/10/1998	<0.2	164.7	153	45.59	--	2298	<0.51	27.73
FSW 424-M01-06WT	6/10/1998	<0.2	163.2	151	46.65	--	1663	<0.51	24.66
FSW 424-M01-06WT-D	6/10/1998	<0.2	150.4	153	47.39	--	1676	<0.51	24.33
FSW 424-M01-07O	6/10/1998	<0.2	86.2	140	51.14	--	1387	<0.51	19.35
FSW 424-M01-08GY	6/10/1998	<0.2	74.9	165	72.78	--	1337	<0.51	12.77
FSW 424-M01-09Y	6/10/1998	<0.2	81.0	176	75.96	--	978	<0.51	9.90
FSW 424-M01-10P	6/10/1998	<0.2	73.4	161	70.54	--	670	<0.51	10.01
FSW 424-M01-11GN	6/10/1998	<0.2	83.5	130	62.84	--	564	<0.51	7.77
FSW 424-M01-12R	6/10/1998	<0.2	74.7	103	41.91	--	487	<0.51	6.99
FSW 424-M01-13BU	6/10/1998	<0.2	51.5	103	43.57	--	371	<0.51	7.37
FSW 424-M01-14BK	6/10/1998	<0.2	27.7	94	22.15	--	280	<0.51	4.56
FSW 424-M01-15W	6/10/1998	<0.2	95.5	93	8.69	--	261	<0.51	4.35
FSW 424-M01-15W-D	6/10/1998	<0.2	101.4	95	9.01	--	259	<0.51	3.55
FSW 424-M02-01PT (72-13)	6/10/1998	<0.2	16.8	26	<0.20	--	423	<0.51	<3.23
FSW 424-M02-02GNT (72-13)	6/10/1998	<0.2	18.6	21	<0.20	--	235	<0.51	<3.23
FSW 424-M02-03RT (72-13)	6/10/1998	<0.2	17.1	23	<0.20	--	206	<0.51	<3.23
FSW 424-M02-04BUT (72-13)	6/10/1998	<0.2	31.9	32	0.29	--	205	<0.51	<3.23
FSW 424-M02-05BKT (72-13)	6/10/1998	<0.2	30.4	33	<0.20	--	191	<0.51	<3.23
FSW 424-M02-06WT (72-13)	6/10/1998	<0.2	50.3	47	<0.20	--	320	<0.51	<3.23
FSW 424-M02-07O (72-13)	6/10/1998	<0.2	82.0	83	<0.20	--	612	<0.51	3.36
FSW 424-M02-08GY (72-13)	6/10/1998	<0.2	132.2	163	0.25	--	1154	<0.51	12.54
FSW 424-M02-09Y (72-13)	6/10/1998	0.2	163.9	221	6.45	--	1596	<0.51	16.74
FSW 424-M02-09Y (72-13)-D	6/10/1998	0.3	154.4	227	6.41	--	1608	<0.51	16.91
FSW 424-M02-10P (72-13)	6/10/1998	0.2	221.0	276	32.04	--	2113	<0.51	23.32

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Iron, dissolved (μM)	Potassium, dissolved (μM)	Magnesium, dissolved (μM)	Manganese, dissolved (μM)	Molybdenum, dissolved (μM)	Sodium, dissolved (μM)	Nickel, dissolved (μM)	Phosphorus, dissolved (μM)
FSW 424-M02-11GN (72-13)	6/10/1998	<0.2	252.4	282	39.31	--	2280	<0.51	25.32
FSW 424-M02-12R (72-13)	6/10/1998	<0.2	310.7	304	44.66	--	2299	<0.51	29.58
FSW 424-M02-13BU (72-13)	6/10/1998	<0.2	299.2	312	38.80	--	2402	<0.51	27.60
FSW 424-M02-14BK (72-13)	6/10/1998	<0.2	196.6	286	45.37	--	2417	<0.51	23.95
FSW 424-M02-15W (72-13)	6/10/1998	<0.2	176.5	229	43.99	--	2266	<0.51	27.13
FSW 424-M01-01PT	6/29/1999	<0.2	107.5	216	45.37	--	2429	<0.51	31.21
FSW 424-M01-02GNT	6/29/1999	<0.2	133.0	156	46.14	--	2615	<0.51	33.61
FSW 424-M01-03RT	6/29/1999	<0.2	134.7	151	45.24	--	2431	<0.51	31.30
FSW 424-M01-04BUT	6/29/1999	<0.2	108.4	110	33.30	--	2041	<0.51	34.35
FSW 424-M01-05BKT	6/29/1999	<0.2	111.8	147	42.72	--	1905	<0.51	28.32
FSW 424-M01-06WT	6/29/1999	<0.2	136.4	192	53.38	--	2028	<0.51	24.86
FSW 424-M01-06WT-D	6/29/1999	<0.2	128.3	181	52.29	--	1815	<0.51	20.76
FSW 424-M01-07O	6/29/1999	<0.2	116.4	171	54.63	--	1664	<0.51	21.11
FSW 424-M01-08GY	6/29/1999	<0.2	56.5	85	34.96	--	986	<0.51	16.69
FSW 424-M01-09Y	6/29/1999	<0.2	45.0	56	22.55	--	598	<0.51	14.50
FSW 424-M01-10P	6/29/1999	<0.2	65.9	56	24.51	--	448	<0.51	13.26
FSW 424-M01-11GN	6/29/1999	<0.2	54.4	37	16.07	--	404	<0.51	11.69
FSW 424-M01-12R	6/29/1999	<0.2	47.6	46	17.81	--	350	<0.51	8.84
FSW 424-M01-13BU	6/29/1999	<0.2	37.8	60	28.18	--	349	<0.51	8.86
FSW 424-M01-14BK	6/29/1999	<0.2	28.5	90	20.58	--	323	<0.51	4.44
FSW 424-M01-15W	6/29/1999	<0.2	83.7	95	9.16	--	242	<0.51	5.77
FSW 424-M02-01PT (72-13)	6/29/1999	0.3	<10.2	67	<0.20	--	814	<0.51	<3.23
FSW 424-M02-01PT (72-13)-D	6/29/1999	0.3	11.1	66	<0.20	--	762	<0.51	<3.23
FSW 424-M02-02GNT (72-13)	6/29/1999	<0.2	<10.2	46	<0.20	--	526	<0.51	<3.23

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Iron, dissolved (μM)	Potassium, dissolved (μM)	Magnesium, dissolved (μM)	Manganese, dissolved (μM)	Molybdenum, dissolved (μM)	Sodium, dissolved (μM)	Nickel, dissolved (μM)	Phosphorus, dissolved (μM)
FSW 424-M02-03RT (72-13)	6/29/1999	<0.2	21.2	35	<0.20	--	539	<0.51	<3.23
FSW 424-M02-04BUT (72-13)	6/29/1999	<0.2	<10.2	32	1.27	--	420	<0.51	<3.23
FSW 424-M02-05BKT (72-13)	6/29/1999	<0.2	19.2	38	0.24	--	274	<0.51	<3.23
FSW 424-M02-05BKT (72-13)-D	6/29/1999	<0.2	19.3	37	0.24	--	259	<0.51	<3.23
FSW 424-M02-06WT (72-13)	6/29/1999	<0.2	29.8	43	<0.20	--	307	<0.51	<3.23
FSW 424-M02-07O (72-13)	6/29/1999	<0.2	53.1	57	<0.20	--	506	<0.51	<3.23
FSW 424-M02-08GY (72-13)	6/29/1999	<0.2	78.9	65	<0.20	--	662	<0.51	11.26
FSW 424-M02-09Y (72-13)	6/29/1999	<0.2	122.4	90	3.77	--	1000	<0.51	18.62
FSW 424-M02-10P (72-13)	6/29/1999	<0.2	172.0	113	13.36	--	1395	<0.51	24.70
FSW 424-M02-11GN (72-13)	6/29/1999	<0.2	176.0	121	17.54	--	1566	<0.51	30.95
FSW 424-M02-12R (72-13)	6/29/1999	<0.2	176.5	131	21.91	--	1681	<0.51	34.39
FSW 424-M02-13BU (72-13)	6/29/1999	<0.2	218.5	154	21.32	--	2000	<0.51	38.90
FSW 424-M02-14BK (72-13)	6/29/1999	<0.2	278.2	205	25.98	--	2358	<0.51	36.17
FSW 424-M02-15W (72-13)	6/29/1999	<0.2	320.7	242	37.10	--	2564	<0.51	31.43
FSW 424-M01-01PT	6/6/2000	0.1	206.8	100	19.76	<0.02	1612	0.114	41.21
FSW 424-M01-02GNT	6/6/2000	0.2	80.5	85	25.80	<0.02	1750	0.185	45.38
FSW 424-M01-03RT	6/6/2000	0.2	102.6	71	21.45	<0.02	1433	0.127	56.59
FSW 424-M01-04BUT	6/6/2000	0.1	117.3	54	19.88	0.02	1383	0.086	54.35
FSW 424-M01-05BKT	6/6/2000	0.1	102.0	48	16.22	0.04	1296	0.068	66.00
FSW 424-M01-06WT	6/6/2000	0.1	67.2	53	16.20	0.03	1109	0.075	49.71
FSW 424-M01-07O	6/6/2000	0.1	65.8	43	15.37	0.02	1043	0.082	49.42
FSW 424-M01-08GY	6/6/2000	0.2	40.1	28	12.15	0.04	800	0.055	50.95
FSW 424-M01-09Y	6/6/2000	0.2	42.3	23	9.76	0.02	582	0.034	39.29
FSW 424-M01-10P	6/6/2000	<0.09	42.1	26	13.18	<0.02	500	<0.05	17.16
FSW 424-M01-11GN	6/6/2000	<0.09	52.7	20	8.38	<0.02	457	<0.05	15.49

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Iron, dissolved (μM)	Potassium, dissolved (μM)	Magnesium, dissolved (μM)	Manganese, dissolved (μM)	Molybdenum, dissolved (μM)	Sodium, dissolved (μM)	Nickel, dissolved (μM)	Phosphorus, dissolved (μM)
FSW 424-M01-12R	6/6/2000	<0.09	43.3	21	7.02	<0.02	454	<0.05	14.02
FSW 424-M01-13BU	6/6/2000	0.1	37.8	50	25.24	<0.02	388	<0.05	7.14
FSW 424-M01-13BU-D	6/6/2000	0.2	40.8	54	26.34	<0.02	412	<0.05	7.55
FSW 424-M01-14BK	6/6/2000	0.1	28.0	48	11.99	<0.02	470	<0.05	5.89
FSW 424-M01-15W	6/6/2000	<0.09	46.5	83	9.54	<0.02	462	0.040	2.86
FSW 424-M02-01PT (72-13)	6/6/2000	<0.09	10.1	79	<0.04	<0.02	577	<0.05	<2.4
FSW 424-M02-02GNT (72-13)	6/6/2000	<0.09	11.4	55	0.13	<0.02	456	<0.05	<2.4
FSW 424-M02-02GNT (72-13)-D	6/6/2000	<0.09	12.5	60	0.14	<0.02	473	<0.05	<2.4
FSW 424-M02-03RT (72-13)	6/6/2000	<0.09	18.3	89	0.22	<0.02	494	<0.05	<2.4
FSW 424-M02-04BUT (72-13)	6/6/2000	0.1	35.7	122	0.43	<0.02	679	<0.05	<2.4
FSW 424-M02-05BKT (72-13)	6/6/2000	0.1	35.8	86	0.13	<0.02	453	<0.05	<2.4
FSW 424-M02-06WT (72-13)	6/6/2000	<0.09	44.7	74	0.04	<0.02	472	<0.05	<2.4
FSW 424-M02-07O (72-13)	6/6/2000	0.1	71.4	70	<0.04	<0.02	728	<0.05	<2.4
FSW 424-M02-07O (72-13)-D	6/6/2000	0.1	75.5	73	<0.04	<0.02	765	<0.05	2.41
FSW 424-M02-08GY (72-13)	6/6/2000	<0.09	90.0	68	<0.04	<0.02	874	0.040	11.98
FSW 424-M02-09Y (72-13)	6/6/2000	0.2	135.7	84	3.90	<0.02	1154	0.080	30.72
FSW 424-M02-10P (72-13)	6/6/2000	0.1	175.3	110	10.93	<0.02	1576	0.117	34.67
FSW 424-M02-11GN (72-13)	6/6/2000	0.1	221.9	149	18.63	<0.02	1818	0.114	34.78
FSW 424-M02-12R (72-13)	6/6/2000	0.1	256.5	187	29.71	<0.02	1771	0.131	36.27
FSW 424-M02-13BU (72-13)	6/6/2000	0.1	232.5	173	23.83	<0.02	1862	0.108	38.70
FSW 424-M02-14BK (72-13)	6/6/2000	0.1	232.3	182	23.21	<0.02	2033	0.108	37.32
FSW 424-M02-15W (72-13)	6/6/2000	0.3	258.1	188	24.60	<0.02	2200	0.129	41.94
FSW 424-M01-01PT	7/19/2001	0.2	150.3	75	14.17	<0.02	1132	0.063	40.14
FSW 424-M01-02GNT	7/19/2001	0.2	70.6	54	16.56	<0.02	1213	0.053	38.51

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; µM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Iron, dissolved (µM)	Potassium, dissolved (µM)	Magnesium, dissolved (µM)	Manganese, dissolved (µM)	Molybdenum, dissolved (µM)	Sodium, dissolved (µM)	Nickel, dissolved (µM)	Phosphorus, dissolved (µM)
FSW 424-M01-03RT	7/19/2001	0.2	140.8	129	41.47	<0.02	772	0.066	27.93
FSW 424-M01-04BUT	7/19/2001	0.2	122.3	104	33.32	<0.02	618	0.062	28.50
FSW 424-M01-05BKT	7/19/2001	0.2	103.7	57	18.47	<0.02	588	<0.05	44.56
FSW 424-M01-06WT	7/19/2001	0.2	49.6	35	11.24	0.05	700	<0.05	69.68
FSW 424-M01-07O	7/19/2001	0.2	42.2	23	8.69	0.05	743	<0.05	68.76
FSW 424-M01-08GY	7/19/2001	0.2	37.7	19	8.42	0.04	626	<0.05	53.45
FSW 424-M01-09Y	7/19/2001	0.2	43.6	33	13.75	<0.02	538	<0.05	20.66
FSW 424-M01-10P	7/19/2001	0.2	33.8	28	10.19	<0.02	408	<0.05	11.60
FSW 424-M01-11GN	7/19/2001	0.2	50.5	32	10.23	<0.02	388	<0.05	8.71
FSW 424-M01-11GN-D	7/19/2001	0.2	48.4	31	10.30	<0.02	353	<0.05	8.86
FSW 424-M01-12R	7/19/2001	0.2	51.3	37	7.70	<0.02	305	<0.05	7.55
FSW 424-M01-13BU	7/19/2001	0.2	35.1	65	27.50	<0.02	279	<0.05	4.92
FSW 424-M01-14BK	7/19/2001	0.2	27.0	85	17.51	<0.02	273	<0.05	3.43
FSW 424-M01-15W	7/19/2001	0.5	34.3	89	9.03	<0.02	288	0.105	<2.4
FSW 424-M02-01PT (72-13)	7/19/2001	0.2	4.7	73	<0.04	<0.02	901	<0.05	<2.4
FSW 424-M02-02GNT (72-13)	7/19/2001	<0.09	15.6	42	0.08	0.03	793	0.121	<2.4
FSW 424-M02-03RT (72-13)	7/19/2001	0.2	16.5	38	0.08	<0.02	502	<0.05	<2.4
FSW 424-M02-04BUT (72-13)	7/19/2001	0.2	19.9	38	0.12	<0.02	378	<0.05	<2.4
FSW 424-M02-05BKT (72-13)	7/19/2001	0.2	29.1	50	0.07	<0.02	320	<0.05	<2.4
FSW 424-M02-06WT (72-13)	7/19/2001	0.2	45.8	65	<0.04	<0.02	336	<0.05	<2.4
FSW 424-M02-07O (72-13)	7/19/2001	0.2	72.1	84	<0.04	<0.02	370	<0.05	<2.4
FSW 424-M02-07O (72-13)-D	7/19/2001	0.2	68.5	84	<0.04	<0.02	358	<0.05	<2.4
FSW 424-M02-08GY (72-13)	7/19/2001	0.2	100.8	116	0.07	<0.02	416	<0.05	8.75
FSW 424-M02-09Y (72-13)	7/19/2001	0.2	120.6	136	2.93	<0.02	503	0.067	16.07
FSW 424-M02-10P (72-13)	7/19/2001	0.2	154.4	167	15.40	<0.02	699	0.096	21.09

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Iron, dissolved (µM)	Potassium, dissolved (µM)	Magnesium, dissolved (µM)	Manganese, dissolved (µM)	Molybdenum, dissolved (µM)	Sodium, dissolved (µM)	Nickel, dissolved (µM)	Phosphorus, dissolved (µM)
FSW 424-M02-11GN (72-13)	7/19/2001	0.2	170.1	168	20.97	<0.02	898	0.105	22.63
FSW 424-M02-12R (72-13)	7/19/2001	0.2	228.2	204	31.21	<0.02	1073	0.126	23.20
FSW 424-M02-13BU (72-13)	7/19/2001	0.2	250.1	229	30.42	<0.02	1131	0.112	23.02
FSW 424-M02-14BK (72-13)	7/19/2001	0.2	195.7	280	34.87	<0.02	1112	0.111	22.00
FSW 424-M02-15W (72-13)	7/19/2001	0.2	172.7	243	32.90	<0.02	836	0.092	22.09
FSW 424-M01-01PT	7/9/2002	<0.09	266.0	288	44.34	<0.02	848	0.088	17.76
FSW 424-M01-02GNT	7/9/2002	<0.09	261.8	279	73.00	<0.02	910	0.125	10.25
FSW 424-M01-03RT	7/9/2002	<0.09	135.4	217	91.58	<0.02	660	0.097	11.22
FSW 424-M01-04BUT	7/9/2002	<0.09	135.0	198	55.25	<0.02	785	0.065	21.64
FSW 424-M01-04BUT-D	7/9/2002	<0.09	135.2	200	55.45	<0.02	778	0.066	21.50
FSW 424-M01-05BKT	7/9/2002	<0.09	115.4	114	36.93	<0.02	754	<0.05	30.00
FSW 424-M01-06WT	7/9/2002	<0.09	117.0	111	33.67	<0.02	589	<0.05	28.12
FSW 424-M01-07O	7/9/2002	<0.09	95.0	94	30.57	<0.02	580	<0.05	32.99
FSW 424-M01-08GY	7/9/2002	<0.09	71.4	81	29.69	<0.02	372	<0.05	28.11
FSW 424-M01-09Y	7/9/2002	<0.09	67.5	79	28.01	<0.02	257	<0.05	13.70
FSW 424-M01-10P	7/9/2002	<0.09	53.7	46	16.53	<0.02	221	<0.05	9.64
FSW 424-M01-11GN	7/9/2002	<0.09	55.6	46	8.55	<0.02	180	<0.05	7.03
FSW 424-M01-12R	7/9/2002	<0.09	63.6	62	3.90	<0.02	222	<0.05	6.45
FSW 424-M01-13BU	7/9/2002	<0.09	45.2	72	27.34	<0.02	228	<0.05	4.64
FSW 424-M01-14BK	7/9/2002	<0.09	36.1	82	15.30	<0.02	240	<0.05	3.57
FSW 424-M01-15W	7/9/2002	<0.09	34.2	86	6.00	<0.02	252	<0.05	<2.4
FSW 424-M02-01PT (72-13)	7/9/2002	--	--	--	--	--	--	--	--
FSW 424-M02-02GNT (72-13)	7/9/2002	<0.09	13.7	43	0.10	<0.02	334	<0.05	<2.4
FSW 424-M02-03RT (72-13)	7/9/2002	<0.09	16.6	43	0.13	<0.02	274	<0.05	<2.4

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Iron, dissolved (μM)	Potassium, dissolved (μM)	Magnesium, dissolved (μM)	Manganese, dissolved (μM)	Molybdenum, dissolved (μM)	Sodium, dissolved (μM)	Nickel, dissolved (μM)	Phosphorus, dissolved (μM)
FSW 424-M02-03RT (72-13)-D	7/9/2002	<0.09	15.5	41	0.13	<0.02	268	<0.05	<2.4
FSW 424-M02-04BUT (72-13)	7/9/2002	<0.09	23.1	49	0.22	<0.02	260	<0.05	<2.4
FSW 424-M02-05BKT (72-13)	7/9/2002	<0.09	37.9	86	0.15	<0.02	284	<0.05	<2.4
FSW 424-M02-06WT (72-13)	7/9/2002	<0.09	76.8	164	0.12	<0.02	452	<0.05	<2.4
FSW 424-M02-07O (72-13)	7/9/2002	<0.09	110.5	173	0.12	<0.02	624	<0.05	<2.4
FSW 424-M02-08GY (72-13)	7/9/2002	<0.09	115.0	154	0.21	<0.02	691	0.058	6.11
FSW 424-M02-09Y (72-13)	7/9/2002	<0.09	143.3	138	7.17	<0.02	711	0.064	16.86
FSW 424-M02-10P (72-13)	7/9/2002	<0.09	104.7	92	13.64	<0.02	440	0.065	21.88
FSW 424-M02-11GN (72-13)	7/9/2002	<0.09	188.2	152	17.25	<0.02	689	0.084	23.67
FSW 424-M02-12R (72-13)	7/9/2002	<0.09	220.3	203	27.84	<0.02	741	0.105	21.47
FSW 424-M02-13BU (72-13)	7/9/2002	<0.09	229.3	269	32.52	<0.02	771	0.112	19.32
FSW 424-M02-14BK (72-13)	7/9/2002	<0.09	245.3	301	33.78	<0.02	888	0.102	18.18
FSW 424-M02-15W (72-13)	7/9/2002	<0.09	231.4	272	31.26	<0.02	927	0.088	19.55
FSW 424-M01-01PT	5/29/2003	<0.09	351.5	288	38.92	--	698	0.095	24.31
FSW 424-M01-02GNT	5/29/2003	<0.09	286.9	211	42.16	--	694	0.089	23.59
FSW 424-M01-02GNT-D	5/29/2003	<0.09	286.9	210	41.32	--	690	0.089	23.19
FSW 424-M01-03RT	5/29/2003	<0.09	150.9	194	56.85	--	808	0.094	31.06
FSW 424-M01-04BUT	5/29/2003	<0.09	115.7	159	44.34	--	793	0.070	37.16
FSW 424-M01-05BKT	5/29/2003	<0.09	99.0	96	26.79	--	785	<0.05	48.82
FSW 424-M01-06WT	5/29/2003	<0.09	101.6	98	30.33	--	798	<0.05	45.46
FSW 424-M01-07O	5/29/2003	<0.09	93.4	77	25.59	--	698	<0.05	48.82
FSW 424-M01-08GY	5/29/2003	<0.09	88.5	76	26.54	--	531	<0.05	37.71
FSW 424-M01-09Y	5/29/2003	<0.09	61.2	86	33.27	--	287	<0.05	12.86
FSW 424-M01-10P	5/29/2003	<0.09	58.2	66	13.81	--	259	<0.05	10.09
FSW 424-M01-11GN	5/29/2003	<0.09	73.1	67	3.98	--	253	<0.05	7.81

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Iron, dissolved (μM)	Potassium, dissolved (μM)	Magnesium, dissolved (μM)	Manganese, dissolved (μM)	Molybdenum, dissolved (μM)	Sodium, dissolved (μM)	Nickel, dissolved (μM)	Phosphorus, dissolved (μM)
FSW 424-M01-12R	5/29/2003	<0.09	70.4	64	2.21	--	240	<0.05	6.31
FSW 424-M01-13BU	5/29/2003	<0.09	57.9	71	28.07	--	260	<0.05	6.48
FSW 424-M01-13BU-D	5/29/2003	<0.09	59.8	73	28.43	--	266	<0.05	6.45
FSW 424-M01-14BK	5/29/2003	<0.09	55.5	83	14.65	--	272	<0.05	4.06
FSW 424-M01-15W	5/29/2003	<0.09	33.2	85	5.47	--	271	0.053	<2.4
FSW 424-M02-01PT (72-13)	5/29/2003	<0.09	8.2	52	<0.04	--	514	<0.05	<2.4
FSW 424-M02-02GNT (72-13)	5/29/2003	<0.09	30.9	105	0.25	--	1916	<0.05	<2.4
FSW 424-M02-03RT (72-13)	5/29/2003	0.1	35.7	100	0.31	--	1636	<0.05	<2.4
FSW 424-M02-04BUT (72-13)	5/29/2003	0.1	26.8	54	0.08	--	544	<0.05	<2.4
FSW 424-M02-05BKT (72-13)	5/29/2003	<0.09	32.6	43	0.06	--	292	<0.05	<2.4
FSW 424-M02-06WT (72-13)	5/29/2003	<0.09	54.4	53	<0.04	--	307	<0.05	<2.4
FSW 424-M02-06WT (72-13)-D	5/29/2003	0.2	57.1	55	0.05	--	314	<0.05	<2.4
FSW 424-M02-07O (72-13)	5/29/2003	<0.09	79.9	70	0.04	--	379	<0.05	<2.4
FSW 424-M02-08GY (72-13)	5/29/2003	<0.09	105.8	90	0.17	--	458	<0.05	9.40
FSW 424-M02-09Y (72-13)	5/29/2003	<0.09	127.2	102	4.02	--	543	<0.05	18.56
FSW 424-M02-09Y (72-13)-D	5/29/2003	0.3	125.4	100	4.02	--	530	<0.05	18.23
FSW 424-M02-10P (72-13)	5/29/2003	<0.09	192.3	162	14.96	--	757	0.083	26.14
FSW 424-M02-11GN (72-13)	5/29/2003	<0.09	253.7	206	22.55	--	766	0.109	26.60
FSW 424-M02-12R (72-13)	5/29/2003	<0.09	319.6	286	39.68	--	685	0.158	23.44
FSW 424-M02-13BU (72-13)	5/29/2003	<0.09	318.3	303	34.68	--	709	0.131	22.63
FSW 424-M02-14BK (72-13)	5/29/2003	<0.09	286.8	270	28.52	--	712	0.104	22.88
FSW 424-M02-15W (72-13)	5/29/2003	<0.09	303.6	261	29.47	--	709	0.094	24.58
FSW 424-M01-01PT	7/29/2004	<0.09	322.7	163	26.74	--	616	0.073	22.65
FSW 424-M01-02GNT	7/29/2004	<0.09	140.5	155	34.35	--	813	0.068	28.76

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; µM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Iron, dissolved (µM)	Potassium, dissolved (µM)	Magnesium, dissolved (µM)	Manganese, dissolved (µM)	Molybdenum, dissolved (µM)	Sodium, dissolved (µM)	Nickel, dissolved (µM)	Phosphorus, dissolved (µM)
FSW 424-M01-03RT	7/29/2004	<0.09	93.8	114	34.06	--	803	0.060	36.22
FSW 424-M01-04BUT	7/29/2004	<0.09	126.8	122	30.29	--	582	<0.05	35.58
FSW 424-M01-05BKT	7/29/2004	<0.09	98.1	66	17.15	--	377	<0.05	51.98
FSW 424-M01-06WT	7/29/2004	<0.09	87.3	65	20.90	--	361	<0.05	46.75
FSW 424-M01-07O	7/29/2004	<0.09	84.0	71	23.64	--	320	<0.05	40.39
FSW 424-M01-08GY	7/29/2004	<0.09	59.0	84	29.72	--	251	<0.05	22.64
FSW 424-M01-09Y	7/29/2004	<0.09	47.3	59	17.69	--	246	<0.05	10.28
FSW 424-M01-09Y-D	7/29/2004	<0.09	41.2	57	17.58	--	239	<0.05	9.53
FSW 424-M01-10P	7/29/2004	<0.09	70.7	65	4.05	--	257	<0.05	8.48
FSW 424-M01-11GN	7/29/2004	<0.09	80.6	68	0.61	--	252	<0.05	6.42
FSW 424-M01-12R	7/29/2004	0.1	70.9	72	3.28	--	269	<0.05	5.59
FSW 424-M01-13BU	7/29/2004	<0.09	59.6	74	26.94	--	288	<0.05	5.70
FSW 424-M01-14BK	7/29/2004	<0.09	42.5	78	10.53	--	262	<0.05	3.61
FSW 424-M01-15W	7/29/2004	<0.09	34.0	80	3.54	--	259	<0.05	<2.4
FSW 424-M01-15W-D	7/29/2004	<0.09	30.9	81	3.67	--	273	0.053	<2.4
FSW 424-M02-01PT (72-13)	7/29/2004	<0.09	15.7	78	<0.04	--	1383	<0.05	<2.4
FSW 424-M02-02GNT (72-13)	7/29/2004	<0.09	24.2	69	0.36	--	1434	<0.05	<2.4
FSW 424-M02-03RT (72-13)	7/29/2004	<0.09	23.0	57	0.23	--	1163	<0.05	<2.4
FSW 424-M02-04BUT (72-13)	7/29/2004	<0.09	26.7	46	0.24	--	982	<0.05	<2.4
FSW 424-M02-05BKT (72-13)	7/29/2004	<0.09	27.7	35	0.08	--	584	<0.05	<2.4
FSW 424-M02-06WT (72-13)	7/29/2004	<0.09	41.1	38	<0.04	--	266	<0.05	<2.4
FSW 424-M02-07O (72-13)	7/29/2004	<0.09	64.8	54	<0.04	--	278	<0.05	<2.4
FSW 424-M02-08GY (72-13)	7/29/2004	0.2	81.4	71	0.10	--	370	<0.05	11.18
FSW 424-M02-09Y (72-13)	7/29/2004	<0.09	116.6	97	1.77	--	455	<0.05	19.35
FSW 424-M02-10P (72-13)	7/29/2004	<0.09	166.7	138	13.09	--	513	0.077	26.68

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Iron, dissolved (μM)	Potassium, dissolved (μM)	Magnesium, dissolved (μM)	Manganese, dissolved (μM)	Molybdenum, dissolved (μM)	Sodium, dissolved (μM)	Nickel, dissolved (μM)	Phosphorus, dissolved (μM)
FSW 424-M02-10P (72-13)-D	7/29/2004	<0.09	165.4	136	12.83	--	506	0.073	25.97
FSW 424-M02-11GN (72-13)	7/29/2004	<0.09	202.9	177	19.04	--	518	0.097	24.70
FSW 424-M02-12R (72-13)	7/29/2004	<0.09	224.1	246	29.11	--	493	0.126	22.51
FSW 424-M02-14BK (72-13)	7/29/2004	<0.09	221.9	249	20.61	--	560	0.075	21.58
FSW 424-M02-15W (72-13)	7/29/2004	<0.09	208.6	220	19.75	--	546	0.065	22.92
FSW 566-M01-01PT	12/8/1994	1.8	159.4	113	17.07	--	1923	<0.51	39.90
FSW 566-M01-02GNT	12/8/1994	0.5	171.2	100	19.91	--	1622	<0.51	37.03
FSW 566-M01-04BUT	12/8/1994	0.3	114.6	70	12.57	--	1380	<0.51	36.98
FSW 566-M01-05BKT	12/8/1994	0.2	129.2	70	12.69	--	1222	<0.51	37.70
FSW 566-M01-06WT	12/8/1994	<0.2	108.6	57	9.96	--	890	<0.51	36.45
FSW 566-M01-07O	12/8/1994	<0.2	42.9	54	10.40	--	1066	<0.51	35.97
FSW 566-M01-08GY	12/8/1994	<0.2	37.3	35	9.35	--	858	<0.51	21.70
FSW 566-M01-09Y	12/8/1994	<0.2	47.5	42	13.08	--	931	<0.51	18.64
FSW 566-M01-10P	12/8/1994	<0.2	58.4	102	25.02	--	668	<0.51	8.81
FSW 566-M01-11GN	12/8/1994	1.9	50.9	96	27.73	--	453	<0.51	6.73
FSW 566-M01-12R	12/8/1994	<0.2	54.3	67	22.62	--	435	<0.51	7.16
FSW 566-M01-13BU	12/8/1994	<0.2	33.0	91	10.42	--	276	<0.51	5.18
FSW 566-M01-14BK	12/8/1994	<0.2	117.5	81	3.01	--	258	<0.51	<3.23
FSW 566-M01-15W	12/8/1994	<0.2	129.9	84	1.98	--	307	<0.51	<3.23
FSW 566-M02-01PT (65-12)	12/8/1994	<0.2	32.0	23	<0.20	--	183	<0.51	<3.23
FSW 566-M02-02GNT (65-12)	12/8/1994	<0.2	22.5	36	<0.20	--	270	<0.51	<3.23
FSW 566-M02-03RT (65-12)	12/8/1994	<0.2	45.3	69	0.21	--	502	<0.51	<3.23
FSW 566-M02-04BUT (65-12)	12/8/1994	<0.2	100.1	104	0.57	--	909	<0.51	5.73
FSW 566-M02-05BKT (65-12)	12/8/1994	0.4	228.7	188	2.86	--	1869	<0.51	19.68

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Well or multilevel-sampler port	Date	Iron, dissolved (μM)	Potassium, dissolved (μM)	Magnesium, dissolved (μM)	Manganese, dissolved (μM)	Molybdenum, dissolved (μM)	Sodium, dissolved (μM)	Nickel, dissolved (μM)	Phosphorus, dissolved (μM)
FSW 566-M02-06WT (65-12)	12/8/1994	0.3	194.4	239	14.21	--	2163	<0.51	18.00
FSW 566-M02-07O (65-12)	12/8/1994	0.3	242.7	268	23.84	--	2317	<0.51	21.78
FSW 566-M02-08GY (65-12)	12/8/1994	0.2	316.0	282	25.71	--	2363	<0.51	22.48
FSW 566-M02-09Y (65-12)	12/8/1994	0.2	333.1	290	27.94	--	2475	<0.51	23.92
FSW 566-M02-10P (65-12)	12/8/1994	0.2	363.6	291	32.02	--	2545	<0.51	26.88
FSW 566-M02-11GN (65-12)	12/8/1994	0.2	369.8	297	35.24	--	2595	<0.51	24.69
FSW 566-M02-11GN (65-12)-D	12/8/1994	0.3	379.7	299	35.00	--	2646	<0.51	25.87
FSW 566-M02-12R (65-12)	12/8/1994	0.2	432.0	280	32.72	--	2578	<0.51	23.87
FSW 566-M02-13BU (65-12)	12/8/1994	0.2	323.2	156	21.35	--	2256	<0.51	30.74
FSW 566-M02-14BK (65-12)	12/8/1994	<0.2	135.4	133	16.39	--	2222	<0.51	48.23
FSW 566-M02-15W (65-12)	12/8/1994	<0.2	149.0	148	19.14	--	2275	<0.51	47.85
FSW 566-M01-01PT	7/11/1996	0.4	151.9	168	21.81	--	2636	<0.51	46.26
FSW 566-M01-02GNT	7/11/1996	0.4	153.2	117	19.89	--	2594	<0.51	44.70
FSW 566-M01-04BUT	7/11/1996	0.5	103.7	123	15.52	--	2332	<0.51	33.52
FSW 566-M01-05BKT	7/11/1996	0.2	91.4	90	12.60	--	1934	<0.51	40.66
FSW 566-M01-06WT	7/11/1996	<0.2	95.1	85	15.97	--	1231	<0.51	36.73
FSW 566-M01-07O	7/11/1996	<0.2	73.7	117	24.56	--	792	<0.51	18.76
FSW 566-M01-08GY	7/11/1996	<0.2	85.1	107	30.32	--	618	<0.51	11.29
FSW 566-M01-08GY-D	7/11/1996	<0.2	91.6	107	29.93	--	635	<0.51	10.38
FSW 566-M01-09Y	7/11/1996	<0.2	80.0	110	30.86	--	649	<0.51	11.56
FSW 566-M01-10P	7/11/1996	<0.2	75.5	137	32.08	--	712	<0.51	8.13
FSW 566-M01-11GN	7/11/1996	1.0	66.1	133	26.13	--	624	<0.51	6.03
FSW 566-M01-12R	7/11/1996	<0.2	68.6	125	23.73	--	455	<0.51	4.92
FSW 566-M01-13BU	7/11/1996	<0.2	43.4	99	10.78	--	313	<0.51	4.08
FSW 566-M01-14BK	7/11/1996	3.7	111.3	146	6.02	--	393	<0.51	<3.23

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Well or multilevel-sampler port	Date	Iron, dissolved (μM)	Potassium, dissolved (μM)	Magnesium, dissolved (μM)	Manganese, dissolved (μM)	Molybdenum, dissolved (μM)	Sodium, dissolved (μM)	Nickel, dissolved (μM)	Phosphorus, dissolved (μM)
FSW 566-M01-15W	7/11/1996	0.2	86.1	122	2.94	--	328	<0.51	<3.23
FSW 566-M02-01PT (65-12)	7/11/1996	<0.2	<10.2	25	<0.20	--	156	<0.51	<3.23
FSW 566-M02-02GNT (65-12)	7/11/1996	<0.2	12.6	20	<0.20	--	134	<0.51	<3.23
FSW 566-M02-02GNT (65-12)-D	7/11/1996	0.3	<10.2	20	<0.20	--	135	<0.51	<3.23
FSW 566-M02-03RT (65-12)	7/11/1996	<0.2	19.1	30	<0.20	--	175	<0.51	<3.23
FSW 566-M02-04BUT (65-12)	7/11/1996	<0.2	46.1	46	<0.20	--	316	<0.51	5.79
FSW 566-M02-05BKT (65-12)	7/11/1996	<0.2	94.1	61	0.31	--	530	<0.51	13.77
FSW 566-M02-06WT (65-12)	7/11/1996	<0.2	132.0	88	2.54	--	856	<0.51	18.62
FSW 566-M02-07O (65-12)	7/11/1996	0.8	385.5	350	22.45	--	2254	<0.51	22.44
FSW 566-M02-08GY (65-12)	7/11/1996	<0.2	191.0	146	14.37	--	1484	<0.51	26.51
FSW 566-M02-09Y (65-12)	7/11/1996	0.2	229.1	197	16.76	--	1779	<0.51	26.84
FSW 566-M02-10P (65-12)	7/11/1996	0.3	287.9	310	22.44	--	2100	<0.51	25.76
FSW 566-M02-11GN (65-12)	7/11/1996	0.3	334.0	364	23.35	--	2249	<0.51	23.03
FSW 566-M02-11GN (65-12)-D	7/11/1996	0.3	323.9	378	24.27	--	2345	<0.51	23.28
FSW 566-M02-12R (65-12)	7/11/1996	0.5	399.7	376	24.21	--	2412	<0.51	22.45
FSW 566-M02-13BU (65-12)	7/11/1996	0.3	354.7	265	28.02	--	2235	<0.51	23.07
FSW 566-M02-14BK (65-12)	7/11/1996	0.3	222.5	245	32.72	--	2165	<0.51	22.52
FSW 566-M02-15W (65-12)	7/11/1996	1.1	177.7	252	32.67	--	2969	<0.51	38.33
FSW 566-M01-01PT	6/5/1997	0.4	146.4	124	17.98	--	2579	<0.51	31.85
FSW 566-M01-01PT-D	6/5/1997	0.3	149.9	124	18.18	--	2578	<0.51	31.95
FSW 566-M01-02GNT	6/5/1997	0.2	151.3	130	20.14	--	2350	<0.51	42.85
FSW 566-M01-04BUT	6/5/1997	0.7	124.8	162	21.08	--	2264	<0.51	32.58
FSW 566-M01-05BKT	6/5/1997	0.3	120.9	138	20.28	--	2328	<0.51	33.05
FSW 566-M01-06WT	6/5/1997	0.2	123.3	189	28.46	--	1913	<0.51	27.92

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; µM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Iron, dissolved (µM)	Potassium, dissolved (µM)	Magnesium, dissolved (µM)	Manganese, dissolved (µM)	Molybdenum, dissolved (µM)	Sodium, dissolved (µM)	Nickel, dissolved (µM)	Phosphorus, dissolved (µM)
FSW 566-M01-07O	6/5/1997	<0.2	103.2	154	30.52	--	1881	<0.51	21.84
FSW 566-M01-08GY	6/5/1997	<0.2	85.0	104	30.20	--	1611	<0.51	13.54
FSW 566-M01-09Y	6/5/1997	<0.2	89.4	143	46.28	--	1109	<0.51	9.54
FSW 566-M01-10P	6/5/1997	<0.2	61.9	111	20.16	--	634	<0.51	9.04
FSW 566-M01-10P-D	6/5/1997	<0.2	68.3	109	19.84	--	632	<0.51	7.31
FSW 566-M01-11GN	6/5/1997	1.0	39.8	94	5.12	--	407	<0.51	5.54
FSW 566-M01-12R	6/5/1997	<0.2	45.7	75	2.61	--	309	<0.51	6.77
FSW 566-M01-13BU	6/5/1997	<0.2	31.4	79	9.38	--	231	<0.51	4.43
FSW 566-M01-14BK	6/5/1997	<0.2	58.0	90	3.89	--	242	<0.51	<3.23
FSW 566-M01-15W	6/5/1997	<0.2	52.1	108	2.95	--	289	<0.51	<3.23
FSW 566-M02-01PT (65-12)	6/6/1997	<0.2	<10.2	17	<0.20	--	124	<0.51	<3.23
FSW 566-M02-02GNT (65-12)	6/6/1997	<0.2	10.8	15	<0.20	--	154	<0.51	<3.23
FSW 566-M02-03RT (65-12)	6/6/1997	<0.2	20.1	32	<0.20	--	239	<0.51	<3.23
FSW 566-M02-04BUT (65-12)	6/6/1997	<0.2	44.7	50	<0.20	--	351	<0.51	3.48
FSW 566-M02-04BUT (65-12)-D	6/6/1997	<0.2	46.2	52	<0.20	--	370	<0.51	3.90
FSW 566-M02-05BKT (65-12)	6/6/1997	<0.2	109.1	68	0.57	--	819	<0.51	11.88
FSW 566-M02-06WT (65-12)	6/6/1997	<0.2	177.4	119	2.80	--	1325	<0.51	14.15
FSW 566-M02-07O (65-12)	6/6/1997	0.2	206.4	162	2.30	--	1562	<0.51	17.67
FSW 566-M02-08GY (65-12)	6/6/1997	0.3	248.6	215	13.90	--	1958	<0.51	18.48
FSW 566-M02-09Y (65-12)	6/6/1997	0.3	282.5	277	22.31	--	2152	<0.51	19.02
FSW 566-M02-10P (65-12)	6/6/1997	0.3	304.7	337	22.64	--	2141	<0.51	21.27
FSW 566-M02-11GN (65-12)	6/6/1997	0.3	315.5	350	21.26	--	2192	<0.51	20.54
FSW 566-M02-12R (65-12)	6/6/1997	0.4	324.3	356	18.42	--	2252	<0.51	18.74
FSW 566-M02-13BU (65-12)	6/6/1997	0.4	369.5	320	21.87	--	2355	<0.51	21.35
FSW 566-M02-13BU (65-12)-D	6/6/1997	0.5	362.6	321	21.84	--	2358	<0.51	20.94

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; µM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Iron, dissolved (µM)	Potassium, dissolved (µM)	Magnesium, dissolved (µM)	Manganese, dissolved (µM)	Molybdenum, dissolved (µM)	Sodium, dissolved (µM)	Nickel, dissolved (µM)	Phosphorus, dissolved (µM)
FSW 566-M02-14BK (65-12)	6/6/1997	0.4	387.7	305	27.50	--	2376	<0.51	25.22
FSW 566-M02-15W (65-12)	6/6/1997	0.3	443.7	257	28.01	--	2480	<0.51	25.82
FSW 566-M01-01PT	5/13/1998	0.5	231.8	116	15.76	--	2711	<0.51	25.56
FSW 566-M01-02GNT	5/13/1998	0.3	152.8	139	19.93	--	2291	<0.51	38.17
FSW 566-M01-03RT	5/13/1998	0.4	152.8	141	24.38	--	2403	<0.51	34.19
FSW 566-M01-04BUT	5/13/1998	0.6	204.2	159	18.99	--	2603	<0.51	37.93
FSW 566-M01-05BKT	5/13/1998	0.3	148.6	138	19.83	--	2312	<0.51	24.24
FSW 566-M01-06WT	5/13/1998	0.2	143.4	161	21.20	--	2046	<0.51	30.38
FSW 566-M01-06WT-D	5/13/1998	0.3	157.0	173	22.33	--	2227	<0.51	32.64
FSW 566-M01-07O	5/13/1998	0.2	134.6	128	27.14	--	1952	<0.51	23.01
FSW 566-M01-08GY	5/13/1998	<0.2	123.2	209	56.15	--	1751	<0.51	8.60
FSW 566-M01-09Y	5/13/1998	<0.2	133.3	116	35.41	--	1298	<0.51	8.29
FSW 566-M01-10P	5/13/1998	<0.2	46.8	42	8.61	--	668	<0.51	10.18
FSW 566-M01-11GN	5/13/1998	0.7	34.1	36	0.75	--	460	<0.51	5.85
FSW 566-M01-12R	5/13/1998	<0.2	42.0	73	0.25	--	320	<0.51	<3.23
FSW 566-M01-13BU	5/13/1998	<0.2	39.8	84	8.44	--	245	<0.51	<3.23
FSW 566-M01-14BK	5/13/1998	<0.2	70.5	99	3.60	--	290	<0.51	<3.23
FSW 566-M01-15W	5/13/1998	1.3	60.6	104	3.01	--	285	<0.51	<3.23
FSW 566-M01-15W-D	5/13/1998	<0.2	64.1	106	3.07	--	302	<0.51	<3.23
FSW 566-M02-01PT (65-12)	5/13/1998	<0.2	11.4	18	<0.20	--	125	<0.51	<3.23
FSW 566-M02-02GNT (65-12)	5/13/1998	<0.2	16.2	23	<0.20	--	116	<0.51	<3.23
FSW 566-M02-03RT (65-12)	5/13/1998	<0.2	19.9	55	<0.20	--	212	<0.51	<3.23
FSW 566-M02-04BUT (65-12)	5/13/1998	<0.2	49.2	37	<0.20	--	404	<0.51	<3.23
FSW 566-M02-05BKT (65-12)	5/13/1998	<0.2	77.0	38	0.27	--	597	<0.51	12.89

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Iron, dissolved (μM)	Potassium, dissolved (μM)	Magnesium, dissolved (μM)	Manganese, dissolved (μM)	Molybdenum, dissolved (μM)	Sodium, dissolved (μM)	Nickel, dissolved (μM)	Phosphorus, dissolved (μM)
FSW 566-M02-06WT (65-12)	5/13/1998	<0.2	132.0	68	1.61	--	1044	<0.51	15.18
FSW 566-M02-07O (65-12)	5/13/1998	<0.2	181.9	96	6.36	--	1354	<0.51	16.78
FSW 566-M02-08GY (65-12)	5/13/1998	<0.2	246.2	145	11.90	--	1797	<0.51	17.23
FSW 566-M02-09Y (65-12)	5/13/1998	<0.2	265.7	195	14.84	--	2056	<0.51	15.65
FSW 566-M02-09Y (65-12)-D	5/13/1998	0.2	291.2	212	16.04	--	2247	<0.51	19.02
FSW 566-M02-10P (65-12)	5/13/1998	<0.2	274.9	265	15.91	--	2152	<0.51	16.08
FSW 566-M02-11GN (65-12)	5/13/1998	0.2	259.8	283	14.92	--	2171	<0.51	15.04
FSW 566-M02-12R (65-12)	5/13/1998	<0.2	257.8	262	12.40	--	2181	<0.51	13.32
FSW 566-M02-13BU (65-12)	5/13/1998	0.2	231.3	242	11.35	--	2087	<0.51	14.19
FSW 566-M02-14BK (65-12)	5/13/1998	<0.2	244.3	224	15.39	--	2238	<0.51	19.64
FSW 566-M02-15W (65-12)	5/13/1998	<0.2	262.4	203	21.25	--	2331	<0.51	22.03
FSW 566-M01-01PT	6/10/1999	0.4	282.8	37	5.29	--	1551	<0.51	34.06
FSW 566-M01-02GNT	6/10/1999	<0.2	63.0	29	5.00	--	1451	<0.51	42.88
FSW 566-M01-03RT	6/10/1999	<0.2	84.8	51	7.28	--	1327	<0.51	74.80
FSW 566-M01-04BUT	6/10/1999	0.3	142.8	59	5.80	--	1133	<0.51	90.87
FSW 566-M01-04BUT-D	6/10/1999	0.3	136.5	58	5.67	--	1119	<0.51	88.48
FSW 566-M01-05BKT	6/10/1999	<0.2	93.6	46	6.25	--	1031	<0.51	69.27
FSW 566-M01-06WT	6/10/1999	<0.2	63.5	29	4.14	--	735	<0.51	46.79
FSW 566-M01-07O	6/10/1999	<0.2	48.2	13	3.33	--	688	<0.51	28.51
FSW 566-M01-08GY	6/10/1999	<0.2	47.7	22	6.23	--	674	<0.51	15.32
FSW 566-M01-09Y	6/10/1999	<0.2	69.5	19	5.62	--	503	<0.51	16.61
FSW 566-M01-10P	6/10/1999	<0.2	45.4	37	6.99	--	413	<0.51	11.62
FSW 566-M01-10P-D	6/10/1999	<0.2	44.2	36	6.85	--	402	<0.51	9.30
FSW 566-M01-11GN	6/10/1999	0.8	45.0	59	0.49	--	343	<0.51	7.51
FSW 566-M01-12R	6/10/1999	<0.2	34.8	76	0.22	--	279	<0.51	5.67

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Iron, dissolved (μM)	Potassium, dissolved (μM)	Magnesium, dissolved (μM)	Manganese, dissolved (μM)	Molybdenum, dissolved (μM)	Sodium, dissolved (μM)	Nickel, dissolved (μM)	Phosphorus, dissolved (μM)
FSW 566-M01-13BU	6/10/1999	<0.2	44.5	83	6.85	--	254	<0.51	4.99
FSW 566-M01-14BK	6/10/1999	<0.2	54.7	78	1.98	--	280	<0.51	<3.23
FSW 566-M01-15W	6/10/1999	<0.2	70.0	89	2.81	--	342	<0.51	<3.23
FSW 566-M02-01PT (65-12)	6/10/1999	<0.2	<10.2	25	<0.20	--	107	<0.51	<3.23
FSW 566-M02-02GNT (65-12)	6/10/1999	<0.2	16.7	33	<0.20	--	167	<0.51	<3.23
FSW 566-M02-03RT (65-12)	6/10/1999	<0.2	30.6	57	<0.20	--	280	<0.51	<3.23
FSW 566-M02-04BUT (65-12)	6/10/1999	<0.2	54.7	49	<0.20	--	443	<0.51	5.26
FSW 566-M02-05BKT (65-12)	6/10/1999	<0.2	94.6	52	0.44	--	727	<0.51	14.83
FSW 566-M02-06WT (65-12)	6/10/1999	<0.2	122.8	59	2.54	--	1092	<0.51	20.07
FSW 566-M02-07O (65-12)	6/10/1999	<0.2	171.1	74	6.37	--	1393	<0.51	25.50
FSW 566-M02-08GY (65-12)	6/10/1999	<0.2	201.6	76	6.38	--	1443	<0.51	29.00
FSW 566-M02-09Y (65-12)	6/10/1999	<0.2	194.7	70	5.27	--	1341	<0.51	27.92
FSW 566-M02-10P (65-12)	6/10/1999	<0.2	178.9	75	4.84	--	1387	<0.51	26.39
FSW 566-M02-11GN (65-12)	6/10/1999	<0.2	190.5	79	4.66	--	1490	<0.51	26.18
FSW 566-M02-11GN (65-12)-D	6/10/1999	<0.2	202.1	87	4.94	--	1629	<0.51	28.57
FSW 566-M02-12R (65-12)	6/10/1999	<0.2	219.3	90	4.36	--	1649	<0.51	22.43
FSW 566-M02-13BU (65-12)	6/10/1999	<0.2	227.1	98	4.55	--	1680	<0.51	24.62
FSW 566-M02-14BK (65-12)	6/10/1999	<0.2	165.0	87	5.54	--	1493	<0.51	27.97
FSW 566-M02-15W (65-12)	6/10/1999	<0.2	172.0	83	7.60	--	1585	<0.51	30.88
FSW 566-M01-01PT	6/1/2000	0.4	208.2	38	4.83	<0.02	1296	0.060	37.73
FSW 566-M01-02GNT	6/1/2000	0.2	133.2	90	12.52	<0.02	1212	0.055	59.38
FSW 566-M01-03RT	6/1/2000	--	--	--	--	--	--	--	--
FSW 566-M01-04BUT	6/1/2000	0.7	152.1	80	7.13	<0.02	649	<0.05	95.58
FSW 566-M01-05BKT	6/1/2000	0.2	128.1	41	6.47	<0.02	727	<0.05	112.21

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Iron, dissolved (µM)	Potassium, dissolved (µM)	Magnesium, dissolved (µM)	Manganese, dissolved (µM)	Molybdenum, dissolved (µM)	Sodium, dissolved (µM)	Nickel, dissolved (µM)	Phosphorus, dissolved (µM)
FSW 566-M01-06WT	6/1/2000	0.2	67.1	24	4.00	<0.02	631	<0.05	58.80
FSW 566-M01-06WT-D	6/1/2000	0.2	64.5	23	3.83	<0.02	640	<0.05	55.55
FSW 566-M01-07O	6/1/2000	0.2	54.6	11	3.14	<0.02	593	<0.05	25.19
FSW 566-M01-08GY	6/1/2000	0.1	72.4	27	8.04	<0.02	553	<0.05	16.47
FSW 566-M01-09Y	6/1/2000	0.1	80.1	36	11.31	<0.02	414	<0.05	12.93
FSW 566-M01-10P	6/1/2000	0.1	70.4	70	5.54	<0.02	305	<0.05	9.02
FSW 566-M01-11GN	6/1/2000	0.6	62.6	98	0.30	<0.02	384	<0.05	7.66
FSW 566-M01-12R	6/1/2000	0.1	33.9	93	0.29	<0.02	340	<0.05	4.97
FSW 566-M01-13BU	6/1/2000	0.1	51.8	118	5.12	<0.02	342	<0.05	4.42
FSW 566-M01-14BK	6/1/2000	<0.09	56.8	102	1.64	<0.02	325	<0.05	<2.4
FSW 566-M01-15W	6/1/2000	0.1	61.3	101	3.31	<0.02	366	<0.05	<2.4
FSW 566-M02-01PT (65-12)	6/1/2000	0.1	12.5	21	<0.04	<0.02	131	<0.05	<2.4
FSW 566-M02-02GNT (65-12)	6/1/2000	0.2	14.2	22	<0.04	<0.02	147	<0.05	<2.4
FSW 566-M02-03RT (65-12)	6/1/2000	0.0	24.6	40	0.05	<0.02	223	<0.05	<2.4
FSW 566-M02-04BUT (65-12)	6/1/2000	0.2	44.4	45	0.10	<0.02	290	<0.05	4.00
FSW 566-M02-05BKT (65-12)	6/1/2000	0.2	82.1	58	0.58	<0.02	405	<0.05	12.15
FSW 566-M02-06WT (65-12)	6/1/2000	--	--	--	--	--	--	--	--
FSW 566-M02-07O (65-12)	6/1/2000	0.2	193.4	87	8.38	<0.02	794	0.097	32.85
FSW 566-M02-08GY (65-12)	6/1/2000	0.2	242.3	96	8.96	<0.02	863	0.079	30.90
FSW 566-M02-09Y (65-12)	6/1/2000	0.2	246.9	87	6.79	<0.02	859	0.063	25.86
FSW 566-M02-10P (65-12)	6/1/2000	0.2	251.6	89	5.45	<0.02	849	0.052	24.99
FSW 566-M02-10P (65-12)-D	6/1/2000	0.2	259.5	92	5.67	<0.02	887	0.053	25.90
FSW 566-M02-11GN (65-12)	6/1/2000	0.2	257.4	98	5.66	<0.02	935	0.053	23.75
FSW 566-M02-12R (65-12)	6/1/2000	0.2	231.6	86	3.95	<0.02	1245	<0.05	26.27
FSW 566-M02-12R (65-12)-D	6/1/2000	0.3	245.8	91	4.17	<0.02	1328	0.053	27.86

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; µM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Iron, dissolved (µM)	Potassium, dissolved (µM)	Magnesium, dissolved (µM)	Manganese, dissolved (µM)	Molybdenum, dissolved (µM)	Sodium, dissolved (µM)	Nickel, dissolved (µM)	Phosphorus, dissolved (µM)
FSW 566-M02-13BU (65-12)	6/1/2000	0.2	206.2	62	2.29	<0.02	1456	<0.05	28.69
FSW 566-M02-14BK (65-12)	6/1/2000	0.2	203.7	51	2.37	<0.02	1479	<0.05	32.60
FSW 566-M02-15W (65-12)	6/1/2000	0.3	200.1	54	4.31	<0.02	1665	0.053	38.64
FSW 566-M01-01PT	7/15/2002	0.2	454.2	144	15.21	<0.02	643	<0.05	15.03
FSW 566-M01-02GNT	7/15/2002	0.1	219.8	138	18.37	<0.02	725	<0.05	31.00
FSW 566-M01-03RT	7/15/2002	0.3	126.7	134	13.54	<0.02	573	<0.05	33.02
FSW 566-M01-04BUT	7/15/2002	20.7	120.3	89	7.60	<0.02	385	<0.05	56.61
FSW 566-M01-04BUT-D	7/15/2002	20.5	123.3	90	7.57	<0.02	416	<0.05	59.01
FSW 566-M01-05BKT	7/15/2002	0.2	99.8	60	9.75	<0.02	311	<0.05	34.90
FSW 566-M01-06WT	7/15/2002	0.1	76.7	57	9.87	<0.02	253	<0.05	22.51
FSW 566-M01-07O	7/15/2002	<0.09	149.5	33	9.37	<0.02	220	<0.05	11.03
FSW 566-M01-08GY	7/15/2002	<0.09	85.8	57	16.83	<0.02	203	<0.05	8.84
FSW 566-M01-09Y	7/15/2002	<0.09	66.3	53	13.13	<0.02	199	<0.05	9.07
FSW 566-M01-10P	7/15/2002	<0.09	46.7	63	0.07	<0.02	205	<0.05	8.35
FSW 566-M01-11GN	7/15/2002	0.4	42.2	76	0.23	<0.02	236	<0.05	7.39
FSW 566-M01-12R	7/15/2002	<0.09	30.2	79	0.14	<0.02	247	<0.05	<2.4
FSW 566-M01-13BU	7/15/2002	<0.09	36.0	87	0.21	<0.02	235	<0.05	<2.4
FSW 566-M01-14BK	7/15/2002	<0.09	41.2	80	0.71	<0.02	246	<0.05	<2.4
FSW 566-M01-15W	7/15/2002	<0.09	46.2	68	2.45	<0.02	260	<0.05	<2.4
FSW 566-M02-01PT (65-12)	7/15/2002	<0.09	<3.8	19	<0.04	<0.02	114	<0.05	<2.4
FSW 566-M02-02GNT (65-12)	7/15/2002	<0.09	6.5	21	<0.04	<0.02	112	<0.05	<2.4
FSW 566-M02-03RT (65-12)	7/15/2002	<0.09	20.3	34	0.08	<0.02	143	<0.05	<2.4
FSW 566-M02-04BUT (65-12)	7/15/2002	<0.09	46.1	59	0.14	<0.02	224	<0.05	<2.4
FSW 566-M02-05BKT (65-12)	7/15/2002	<0.09	101.5	60	0.52	<0.02	255	<0.05	11.43

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Iron, dissolved (μM)	Potassium, dissolved (μM)	Magnesium, dissolved (μM)	Manganese, dissolved (μM)	Molybdenum, dissolved (μM)	Sodium, dissolved (μM)	Nickel, dissolved (μM)	Phosphorus, dissolved (μM)
FSW 566-M02-05BKT (65-12)-D	7/15/2002	<0.09	98.9	61	0.50	<0.02	252	<0.05	11.14
FSW 566-M02-06WT (65-12)	7/15/2002	<0.09	148.4	75	3.46	<0.02	334	<0.05	20.44
FSW 566-M02-07O (65-12)	7/15/2002	<0.09	170.2	113	10.21	<0.02	531	0.065	26.56
FSW 566-M02-08GY (65-12)	7/15/2002	<0.09	232.7	178	10.43	<0.02	719	0.069	21.45
FSW 566-M02-09Y (65-12)	7/15/2002	<0.09	292.2	242	13.91	<0.02	849	0.062	20.07
FSW 566-M02-10P (65-12)	7/15/2002	<0.09	280.1	286	13.27	<0.02	829	0.069	19.13
FSW 566-M02-11GN (65-12)	7/15/2002	<0.09	236.0	284	12.59	<0.02	794	0.059	17.74
FSW 566-M02-12R (65-12)	7/15/2002	<0.09	274.7	275	10.84	<0.02	738	<0.05	17.26
FSW 566-M02-13BU (65-12)	7/15/2002	<0.09	334.6	330	9.99	<0.02	629	<0.05	16.43
FSW 566-M02-14BK (65-12)	7/15/2002	<0.09	327.5	382	12.25	<0.02	670	<0.05	16.57
FSW 566-M02-15W (65-12)	7/15/2002	0.1	315.9	427	13.82	<0.02	666	<0.05	16.04
FSW 566-M01-01PT	8/17/2004	0.3	359.3	221	9.95	--	642	<0.05	11.85
FSW 566-M01-02GNT	8/17/2004	0.3	361.1	196	20.19	--	647	<0.05	19.78
FSW 566-M01-03RT	8/17/2004	0.4	294.4	160	11.75	--	798	<0.05	31.97
FSW 566-M01-04BUT	8/17/2004	108.9	185.8	96	6.18	--	829	<0.05	49.11
FSW 566-M01-04BUT-D	8/17/2004	113.7	182.2	97	6.20	--	836	<0.05	49.43
FSW 566-M01-05BKT	8/17/2004	86.8	129.5	76	6.66	--	709	<0.05	40.81
FSW 566-M01-06WT	8/17/2004	0.2	96.0	27	6.28	--	451	<0.05	11.05
FSW 566-M01-07O	8/17/2004	<0.09	98.4	22	6.35	--	337	<0.05	7.90
FSW 566-M01-08GY	8/17/2004	<0.09	64.8	43	10.27	--	341	<0.05	8.51
FSW 566-M01-09Y	8/17/2004	<0.09	59.4	62	6.61	--	275	<0.05	6.72
FSW 566-M01-10P	8/17/2004	<0.09	37.0	98	0.06	--	299	<0.05	7.24
FSW 566-M01-11GN	8/17/2004	0.2	36.9	94	0.17	--	310	<0.05	5.62
FSW 566-M01-11GN-D	8/17/2004	<0.09	29.6	73	0.12	--	292	<0.05	4.31
FSW 566-M01-12R	8/17/2004	0.2	41.8	90	0.16	--	281	<0.05	5.29

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Iron, dissolved (μM)	Potassium, dissolved (μM)	Magnesium, dissolved (μM)	Manganese, dissolved (μM)	Molybdenum, dissolved (μM)	Sodium, dissolved (μM)	Nickel, dissolved (μM)	Phosphorus, dissolved (μM)
FSW 566-M01-13BU	8/17/2004	<0.09	35.0	76	0.11	--	351	<0.05	4.09
FSW 566-M01-14BK	8/17/2004	<0.09	41.3	63	0.27	--	325	<0.05	<2.4
FSW 566-M01-15W	8/17/2004	<0.09	43.5	56	1.94	--	336	<0.05	<2.4
FSW 566-M02-01PT (65-12)	8/17/2004	<0.09	<3.8	14	0.17	--	124	<0.05	<2.4
FSW 566-M02-02GNT (65-12)	8/17/2004	<0.09	4.2	14	<0.04	--	136	<0.05	<2.4
FSW 566-M02-03RT (65-12)	8/17/2004	<0.09	24.4	27	<0.04	--	172	<0.05	<2.4
FSW 566-M02-04BUT (65-12)	8/17/2004	<0.09	39.1	44	0.09	--	239	<0.05	2.88
FSW 566-M02-05BKT (65-12)	8/17/2004	<0.09	90.8	67	0.23	--	254	<0.05	14.87
FSW 566-M02-06WT (65-12)	8/17/2004	<0.09	152.5	94	2.17	--	284	0.053	26.45
FSW 566-M02-07O (65-12)	8/17/2004	<0.09	165.1	95	8.12	--	426	0.060	29.11
FSW 566-M02-08GY (65-12)	8/17/2004	<0.09	173.6	81	6.43	--	442	<0.05	22.38
FSW 566-M02-09Y (65-12)	8/17/2004	<0.09	175.8	85	5.90	--	479	<0.05	19.49
FSW 566-M02-10P (65-12)	8/17/2004	<0.09	166.3	81	5.01	--	544	<0.05	18.43
FSW 566-M02-11GN (65-12)	8/17/2004	<0.09	154.1	74	4.25	--	554	<0.05	15.83
FSW 566-M02-12R (65-12)	8/17/2004	<0.09	154.0	69	3.48	--	633	<0.05	15.41
FSW 566-M02-13BU (65-12)	8/17/2004	<0.09	182.8	76	2.87	--	734	<0.05	16.71
FSW 566-M02-13BU (65-12)-D	8/17/2004	<0.09	183.5	76	2.83	--	731	<0.05	16.70
FSW 566-M02-14BK (65-12)	8/17/2004	<0.09	202.5	93	3.07	--	688	<0.05	15.28
FSW 566-M02-15W (65-12)	8/17/2004	<0.09	281.8	167	4.52	--	657	<0.05	14.01
FSW 575-M01-01PT	7/10/1996	0.9	228.4	168	4.63	--	2741	<0.51	<3.23
FSW 575-M01-02GNT	7/10/1996	0.9	143.5	9	0.74	--	2729	<0.51	<3.23
FSW 575-M01-03RT	7/10/1996	326.7	143.9	170	8.33	--	2693	<0.51	102.83
FSW 575-M01-04BUT	7/10/1996	246.0	147.8	144	11.15	--	2537	<0.51	74.56
FSW 575-M01-05BKT	7/10/1996	376.2	287.2	249	8.08	--	2483	<0.51	84.47

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Iron, dissolved (μM)	Potassium, dissolved (μM)	Magnesium, dissolved (μM)	Manganese, dissolved (μM)	Molybdenum, dissolved (μM)	Sodium, dissolved (μM)	Nickel, dissolved (μM)	Phosphorus, dissolved (μM)
FSW 575-M01-05BKT-D	7/10/1996	369.1	283.8	246	7.92	--	2484	<0.51	85.03
FSW 575-M01-06WT	7/10/1996	408.6	246.6	213	10.38	--	2201	<0.51	75.75
FSW 575-M01-07O	7/10/1996	362.7	171.5	175	9.04	--	1804	<0.51	73.81
FSW 575-M01-08GY	7/10/1996	486.5	259.6	200	10.45	--	1228	<0.51	50.85
FSW 575-M01-09Y	7/10/1996	0.5	148.3	87	21.69	--	1671	<0.51	4.41
FSW 575-M01-10P	7/10/1996	0.2	108.4	192	33.69	--	952	<0.51	7.85
FSW 575-M01-11GN	7/10/1996	<0.2	50.3	86	<0.20	--	553	<0.51	5.81
FSW 575-M01-12R	7/10/1996	<0.2	29.6	66	<0.20	--	412	<0.51	5.36
FSW 575-M01-13BU	7/10/1996	<0.2	27.5	70	<0.20	--	405	<0.51	6.33
FSW 575-M01-14BK	7/10/1996	<0.2	39.0	116	2.31	--	294	<0.51	5.50
FSW 575-M01-14BK-D	7/10/1996	0.5	38.6	116	2.32	--	287	<0.51	5.05
FSW 575-M01-15W	7/10/1996	<0.2	40.4	105	5.19	--	262	<0.51	4.62
FSW 575-M02-01PT (44-19)	7/10/1996	<0.2	17.9	32	<0.20	--	155	<0.51	<3.23
FSW 575-M02-02GNT (44-19)	7/10/1996	<0.2	21.6	30	<0.20	--	188	<0.51	<3.23
FSW 575-M02-03RT (44-19)	7/10/1996	<0.2	53.7	49	<0.20	--	472	<0.51	11.53
FSW 575-M02-04BUT (44-19)	7/10/1996	<0.2	91.8	82	0.60	--	913	<0.51	15.01
FSW 575-M02-05BKT (44-19)	7/10/1996	0.2	145.1	166	9.21	--	1571	<0.51	16.69
FSW 575-M02-06WT (44-19)	7/10/1996	0.3	186.6	226	15.78	--	2017	<0.51	15.89
FSW 575-M02-07O (44-19)	7/10/1996	0.4	275.5	322	21.58	--	2967	<0.51	19.62
FSW 575-M02-08GY (44-19)	7/10/1996	0.4	208.2	234	11.10	--	2324	0.566	14.21
FSW 575-M02-09Y (44-19)	7/10/1996	0.3	226.8	249	9.54	--	2510	<0.51	10.97
FSW 575-M02-10P (44-19)	7/10/1996	0.3	238.5	276	8.02	--	2560	<0.51	7.73
FSW 575-M02-11GN (44-19)	7/10/1996	0.3	224.3	268	6.70	--	2312	<0.51	4.50
FSW 575-M02-12R (44-19)	7/10/1996	0.4	280.5	261	5.95	--	2542	<0.51	<3.23
FSW 575-M02-13BU (44-19)	7/10/1996	0.4	245.9	296	5.34	--	2739	<0.51	<3.23

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Iron, dissolved (µM)	Potassium, dissolved (µM)	Magnesium, dissolved (µM)	Manganese, dissolved (µM)	Molybdenum, dissolved (µM)	Sodium, dissolved (µM)	Nickel, dissolved (µM)	Phosphorus, dissolved (µM)
FSW 575-M02-14BK (44-19)	7/10/1996	0.3	215.6	346	4.47	--	2550	<0.51	<3.23
FSW 575-M02-15W (44-19)	7/10/1996	0.4	214.9	342	4.74	--	2561	<0.51	<3.23
FSW 575-M01-01PT	6/18/1997	0.6	319.5	230	6.65	--	2388	<0.51	<3.23
FSW 575-M01-02GNT	6/18/1997	3.0	451.9	63	3.21	--	2405	<0.51	<3.23
FSW 575-M01-03RT	6/18/1997	260.6	218.9	122	6.35	--	1948	<0.51	92.39
FSW 575-M01-04BUT	6/18/1997	247.7	208.0	121	7.71	--	2186	<0.51	78.60
FSW 575-M01-06WT	6/18/1997	262.2	256.2	140	6.43	--	1996	<0.51	82.62
FSW 575-M01-07O	6/18/1997	291.1	161.1	119	8.28	--	1948	<0.51	62.13
FSW 575-M01-07O-D	6/18/1997	285.6	154.6	116	8.18	--	1882	<0.51	61.90
FSW 575-M01-08GY	6/18/1997	4.7	497.4	7	0.81	--	2091	<0.51	<3.23
FSW 575-M01-09Y	6/18/1997	0.4	326.5	113	26.89	--	1831	<0.51	4.01
FSW 575-M01-10P	6/18/1997	<0.2	99.1	142	21.11	--	1416	<0.51	8.76
FSW 575-M01-11GN	6/18/1997	<0.2	42.1	59	<0.20	--	526	<0.51	7.94
FSW 575-M01-12R	6/18/1997	<0.2	29.7	72	<0.20	--	333	<0.51	6.76
FSW 575-M01-13BU	6/18/1997	<0.2	23.0	72	<0.20	--	261	<0.51	7.87
FSW 575-M01-14BK	6/18/1997	<0.2	41.6	82	0.46	--	218	<0.51	5.59
FSW 575-M01-15W	6/18/1997	<0.2	49.8	116	5.07	--	299	<0.51	5.15
FSW 575-M02-01PT (44-19)	6/18/1997	<0.2	14.4	37	<0.20	--	171	<0.51	<3.23
FSW 575-M02-01PT (44-19)-D	6/18/1997	<0.2	11.2	37	<0.20	--	168	<0.51	<3.23
FSW 575-M02-02GNT (44-19)	6/18/1997	<0.2	26.8	47	<0.20	--	288	<0.51	<3.23
FSW 575-M02-03RT (44-19)	6/18/1997	<0.2	48.3	34	<0.20	--	429	<0.51	12.96
FSW 575-M02-04BUT (44-19)	6/18/1997	0.5	86.2	54	0.27	--	860	<0.51	23.50
FSW 575-M02-05BKT (44-19)	6/18/1997	0.2	144.6	87	4.15	--	1171	<0.51	30.41
FSW 575-M02-06WT (44-19)	6/18/1997	0.3	254.3	204	10.97	--	1820	<0.51	21.66

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Well or multilevel-sampler port	Date	Iron, dissolved (µM)	Potassium, dissolved (µM)	Magnesium, dissolved (µM)	Manganese, dissolved (µM)	Molybdenum, dissolved (µM)	Sodium, dissolved (µM)	Nickel, dissolved (µM)	Phosphorus, dissolved (µM)
FSW 575-M02-07O (44-19)	6/18/1997	0.2	282.7	223	11.38	--	1964	<0.51	19.42
FSW 575-M02-08GY (44-19)	6/18/1997	0.3	345.1	226	9.29	--	2031	<0.51	13.55
FSW 575-M02-09Y (44-19)	6/18/1997	0.2	339.9	246	8.82	--	1999	<0.51	9.07
FSW 575-M02-10P (44-19)	6/18/1997	0.3	347.2	243	8.46	--	2002	<0.51	6.12
FSW 575-M02-10P (44-19)-D	6/18/1997	0.2	330.4	239	8.36	--	1969	<0.51	5.84
FSW 575-M02-11GN (44-19)	6/18/1997	0.3	354.9	240	7.25	--	2037	<0.51	4.40
FSW 575-M02-12R (44-19)	6/18/1997	0.3	397.7	180	6.69	--	2126	<0.51	3.36
FSW 575-M02-13BU (44-19)	6/18/1997	0.3	403.9	192	4.65	--	2104	<0.51	3.79
FSW 575-M02-14BK (44-19)	6/18/1997	0.3	309.5	226	3.64	--	2211	<0.51	<3.23
FSW 575-M02-15W (44-19)	6/18/1997	0.3	301.8	272	4.06	--	2292	<0.51	<3.23
FSW 575-M01-01PT	6/3/1998	0.3	242.5	173	3.54	--	2061	<0.51	<3.23
FSW 575-M01-02GNT	6/3/1998	0.6	348.7	187	5.15	--	1996	<0.51	<3.23
FSW 575-M01-03RT	6/3/1998	14.1	472.3	5	0.47	--	1803	<0.51	<3.23
FSW 575-M01-03RT-D	6/3/1998	14.0	470.7	5	0.47	--	1678	<0.51	<3.23
FSW 575-M01-04BUT	6/3/1998	132.5	195.7	34	2.66	--	1566	<0.51	39.32
FSW 575-M01-05BKT	6/3/1998	158.0	166.3	70	2.65	--	1569	<0.51	79.83
FSW 575-M01-06WT	6/3/1998	192.3	207.3	88	3.77	--	1629	<0.51	94.35
FSW 575-M01-07O	6/3/1998	108.2	144.9	31	3.04	--	1312	<0.51	45.25
FSW 575-M01-08GY	6/3/1998	<0.2	102.0	60	2.34	--	879	<0.51	<3.23
FSW 575-M01-09Y	6/3/1998	<0.2	83.4	18	2.01	--	660	<0.51	<3.23
FSW 575-M01-10P	6/3/1998	<0.2	44.2	35	0.27	--	591	<0.51	8.18
FSW 575-M01-11GN	6/3/1998	<0.2	27.6	46	<0.20	--	329	<0.51	4.48
FSW 575-M01-12R	6/3/1998	<0.2	21.7	70	<0.20	--	264	<0.51	3.23
FSW 575-M01-12R-D	6/3/1998	<0.2	28.4	65	<0.20	--	251	<0.51	3.93
FSW 575-M01-13BU	6/3/1998	<0.2	19.5	74	<0.20	--	283	<0.51	<3.23

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Iron, dissolved (μM)	Potassium, dissolved (μM)	Magnesium, dissolved (μM)	Manganese, dissolved (μM)	Molybdenum, dissolved (μM)	Sodium, dissolved (μM)	Nickel, dissolved (μM)	Phosphorus, dissolved (μM)
FSW 575-M01-14BK	6/3/1998	<0.2	36.1	98	0.22	--	257	<0.51	<3.23
FSW 575-M01-15W	6/3/1998	<0.2	53.6	97	2.63	--	284	<0.51	<3.23
FSW 575-M02-01PT (44-19)	6/3/1998	<0.2	<10.2	31	<0.20	--	162	<0.51	<3.23
FSW 575-M02-02GNT (44-19)	6/3/1998	<0.2	16.4	37	<0.20	--	274	<0.51	<3.23
FSW 575-M02-03RT (44-19)	6/3/1998	<0.2	42.5	37	<0.20	--	411	<0.51	8.66
FSW 575-M02-04BUT (44-19)	6/3/1998	<0.2	68.3	48	<0.20	--	684	<0.51	29.71
FSW 575-M02-05BKT (44-19)	6/3/1998	<0.2	118.0	78	2.58	--	928	<0.51	48.55
FSW 575-M02-06WT (44-19)	6/3/1998	<0.2	150.1	83	3.89	--	1170	<0.51	55.12
FSW 575-M02-06WT (44-19)-D	6/3/1998	<0.2	144.8	82	3.94	--	1164	<0.51	57.28
FSW 575-M02-07O (44-19)	6/3/1998	<0.2	144.7	81	3.98	--	1218	<0.51	50.44
FSW 575-M02-08GY (44-19)	6/3/1998	<0.2	179.7	96	3.93	--	1332	<0.51	17.55
FSW 575-M02-09Y (44-19)	6/3/1998	<0.2	161.7	108	4.38	--	1540	<0.51	9.22
FSW 575-M02-10P (44-19)	6/3/1998	<0.2	179.5	111	4.88	--	1631	<0.51	4.75
FSW 575-M02-11GN (44-19)	6/3/1998	<0.2	200.7	93	3.86	--	1662	<0.51	<3.23
FSW 575-M02-12R (44-19)	6/3/1998	<0.2	196.5	61	2.76	--	1614	<0.51	<3.23
FSW 575-M02-13BU (44-19)	6/3/1998	<0.2	179.0	68	2.23	--	1694	<0.51	<3.23
FSW 575-M02-14BK (44-19)	6/3/1998	<0.2	212.1	71	1.34	--	1691	<0.51	<3.23
FSW 575-M02-15W (44-19)	6/3/1998	0.3	250.6	120	2.10	--	1795	<0.51	<3.23
FSW 575-M01-01PT	6/7/1999	<0.2	156.2	63	1.24	--	1372	<0.51	7.35
FSW 575-M01-02GNT	6/7/1999	0.3	165.5	57	1.45	--	1397	<0.51	4.28
FSW 575-M01-03RT	6/7/1999	7.1	246.4	143	3.13	--	816	<0.51	4.66
FSW 575-M01-04BUT	6/7/1999	181.7	213.8	58	3.67	--	695	<0.51	45.52
FSW 575-M01-05BKT	6/7/1999	188.3	181.5	78	3.39	--	637	<0.51	52.93
FSW 575-M01-06WT	6/7/1999	138.2	229.0	55	2.67	--	614	<0.51	44.86

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; µM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Iron, dissolved (µM)	Potassium, dissolved (µM)	Magnesium, dissolved (µM)	Manganese, dissolved (µM)	Molybdenum, dissolved (µM)	Sodium, dissolved (µM)	Nickel, dissolved (µM)	Phosphorus, dissolved (µM)
FSW 575-M01-06WT-D	6/7/1999	150.0	245.8	57	2.79	--	606	<0.51	47.99
FSW 575-M01-07O	6/7/1999	108.1	212.0	25	2.62	--	636	<0.51	34.83
FSW 575-M01-08GY	6/7/1999	<0.2	136.7	107	3.65	--	473	<0.51	<3.23
FSW 575-M01-09Y	6/7/1999	<0.2	125.6	92	7.55	--	364	<0.51	<3.23
FSW 575-M01-09Y-D	6/7/1999	<0.2	136.5	99	8.09	--	368	<0.51	<3.23
FSW 575-M01-10P	6/7/1999	<0.2	50.3	39	<0.20	--	382	<0.51	10.26
FSW 575-M01-11GN	6/7/1999	<0.2	29.5	71	<0.20	--	285	<0.51	6.54
FSW 575-M01-12R	6/7/1999	<0.2	27.4	68	<0.20	--	327	<0.51	5.25
FSW 575-M01-13BU	6/7/1999	<0.2	30.9	65	<0.20	--	310	<0.51	5.38
FSW 575-M01-14BK	6/7/1999	<0.2	45.5	98	<0.20	--	292	<0.51	4.43
FSW 575-M01-15W	6/7/1999	<0.2	50.0	87	1.68	--	334	<0.51	4.53
FSW 575-M02-01PT (44-19)	6/7/1999	<0.2	18.0	23	<0.20	--	214	<0.51	<3.23
FSW 575-M02-02GNT (44-19)	6/7/1999	<0.2	34.0	43	<0.20	--	342	<0.51	<3.23
FSW 575-M02-03RT (44-19)	6/7/1999	<0.2	78.8	58	<0.20	--	420	<0.51	15.90
FSW 575-M02-04BUT (44-19)	6/7/1999	<0.2	130.8	75	<0.20	--	466	<0.51	58.89
FSW 575-M02-05BKT (44-19)	6/7/1999	<0.2	163.5	92	3.35	--	550	<0.51	71.88
FSW 575-M02-06WT (44-19)	6/7/1999	<0.2	199.2	108	5.41	--	846	<0.51	61.78
FSW 575-M02-07O (44-19)	6/7/1999	<0.2	170.0	107	5.66	--	926	<0.51	57.17
FSW 575-M02-07O (44-19)-D	6/7/1999	<0.2	180.6	112	5.91	--	912	<0.51	58.48
FSW 575-M02-08GY (44-19)	6/7/1999	<0.2	146.5	92	4.51	--	760	<0.51	22.16
FSW 575-M02-09Y (44-19)	6/7/1999	<0.2	154.4	90	4.56	--	656	<0.51	11.38
FSW 575-M02-10P (44-19)	6/7/1999	<0.2	183.1	87	4.84	--	686	<0.51	7.95
FSW 575-M02-11GN (44-19)	6/7/1999	<0.2	207.7	89	4.54	--	669	<0.51	5.48
FSW 575-M02-12R (44-19)	6/7/1999	<0.2	220.7	77	3.99	--	643	<0.51	3.51
FSW 575-M02-13BU (44-19)	6/7/1999	<0.2	218.3	46	1.81	--	1008	<0.51	6.25

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; µM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Iron, dissolved (µM)	Potassium, dissolved (µM)	Magnesium, dissolved (µM)	Manganese, dissolved (µM)	Molybdenum, dissolved (µM)	Sodium, dissolved (µM)	Nickel, dissolved (µM)	Phosphorus, dissolved (µM)
FSW 575-M02-14BK (44-19)	6/7/1999	<0.2	173.8	34	0.88	--	1440	<0.51	7.12
FSW 575-M02-15W (44-19)	6/7/1999	0.2	139.5	37	0.79	--	1394	<0.51	7.65
FSW 575-M01-01PT	5/31/2000	0.4	245.7	166	3.29	<0.02	431	<0.05	4.49
FSW 575-M01-02GNT	5/31/2000	0.5	293.5	148	3.58	<0.02	424	<0.05	4.73
FSW 575-M01-03RT-D	5/31/2000	0.2	82.8	140	10.92	<0.02	984	<0.05	58.85
FSW 575-M01-04BUT	5/31/2000	161.8	249.9	56	3.16	<0.02	795	<0.05	70.34
FSW 575-M01-05BKT	5/31/2000	176.0	274.9	77	3.00	<0.02	733	<0.05	73.13
FSW 575-M01-06WT	5/31/2000	149.6	290.3	38	2.36	<0.02	441	<0.05	48.39
FSW 575-M01-07O	5/31/2000	239.1	235.5	69	4.69	<0.02	620	<0.05	38.34
FSW 575-M01-08GY	5/31/2000	0.2	123.9	79	2.08	<0.02	476	<0.05	<2.4
FSW 575-M01-09Y	5/31/2000	0.1	126.1	119	6.16	<0.02	345	<0.05	<2.4
FSW 575-M01-10P	5/31/2000	0.4	31.3	91	0.07	<0.02	296	<0.05	5.30
FSW 575-M01-11GN	5/31/2000	0.1	26.9	84	0.11	<0.02	333	<0.05	5.17
FSW 575-M01-12R	5/31/2000	0.2	24.9	79	0.08	<0.02	357	<0.05	5.77
FSW 575-M01-13BU	5/31/2000	0.2	39.9	98	0.09	<0.02	313	<0.05	4.48
FSW 575-M01-14BK	5/31/2000	0.2	52.1	113	1.54	<0.02	380	<0.05	4.58
FSW 575-M01-15W	5/31/2000	0.1	122.9	120	6.23	<0.02	338	<0.05	<2.4
FSW 575-M02-01PT (44-19)	5/31/2000	0.1	12.6	20	0.08	<0.02	132	<0.05	<2.4
FSW 575-M02-02GNT (44-19)	5/31/2000	0.2	28.0	43	0.15	<0.02	268	<0.05	<2.4
FSW 575-M02-03RT (44-19)	5/31/2000	0.1	59.0	42	0.08	<0.02	282	0.056	13.96
FSW 575-M02-03RT (44-19)-D	5/31/2000	0.1	55.9	42	0.08	<0.02	274	0.054	13.68
FSW 575-M02-04BUT (44-19)	5/31/2000	0.7	136.2	76	0.14	<0.02	368	0.142	35.63
FSW 575-M02-05BKT (44-19)	5/31/2000	0.1	172.5	83	2.15	<0.02	348	0.191	47.73
FSW 575-M02-06WT (44-19)	5/31/2000	0.3	249.2	118	5.63	<0.02	593	0.149	58.73

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Iron, dissolved (μM)	Potassium, dissolved (μM)	Magnesium, dissolved (μM)	Manganese, dissolved (μM)	Molybdenum, dissolved (μM)	Sodium, dissolved (μM)	Nickel, dissolved (μM)	Phosphorus, dissolved (μM)
FSW 575-M02-07O (44-19)	5/31/2000	0.2	213.3	117	6.34	<0.02	646	0.103	46.02
FSW 575-M02-08GY (44-19)	5/31/2000	0.2	217.0	155	8.07	<0.02	1097	0.066	29.07
FSW 575-M02-09Y (44-19)	5/31/2000	0.2	298.4	145	8.10	<0.02	1106	<0.05	10.34
FSW 575-M02-10P (44-19)	5/31/2000	0.2	271.3	139	7.38	<0.02	1017	<0.05	6.04
FSW 575-M02-10P (44-19)-D	5/31/2000	0.2	285.0	147	7.84	<0.02	1074	<0.05	6.51
FSW 575-M02-11GN (44-19)	5/31/2000	0.2	296.3	175	8.67	<0.02	1126	<0.05	5.28
FSW 575-M02-12R (44-19)	5/31/2000	0.2	226.9	123	6.66	<0.02	683	0.104	48.08
FSW 575-M02-13BU (44-19)	5/31/2000	0.2	244.6	95	3.40	<0.02	552	<0.05	4.87
FSW 575-M02-14BK (44-19)	5/31/2000	0.2	267.9	103	2.46	<0.02	568	<0.05	5.46
FSW 575-M02-15W (44-19)	5/31/2000	0.3	168.1	111	1.95	<0.02	453	<0.05	4.11
FSW 575-M01-01PT	7/11/2002	0.4	241.4	200	2.92	<0.02	704	<0.05	4.30
FSW 575-M01-02GNT	7/11/2002	0.5	264.7	280	2.94	<0.02	664	<0.05	3.77
FSW 575-M01-03RT	7/11/2002	4.6	328.2	341	4.19	<0.02	748	<0.05	6.38
FSW 575-M01-04BUT	7/11/2002	365.0	477.6	216	6.79	<0.02	852	<0.05	41.43
FSW 575-M01-05BKT	7/11/2002	415.3	318.8	310	6.99	<0.02	840	<0.05	30.73
FSW 575-M01-06WT	7/11/2002	401.7	264.9	362	5.76	<0.02	786	<0.05	25.82
FSW 575-M01-06WT-D	7/11/2002	404.1	267.8	370	5.79	<0.02	814	<0.05	26.25
FSW 575-M01-07O	7/11/2002	400.7	177.2	202	5.92	<0.02	742	<0.05	18.93
FSW 575-M01-08GY	7/11/2002	<0.09	116.2	279	5.05	<0.02	627	<0.05	<2.4
FSW 575-M01-09Y	7/11/2002	<0.09	69.6	96	1.93	<0.02	354	<0.05	<2.4
FSW 575-M01-10P	7/11/2002	<0.09	53.2	92	0.08	<0.02	228	<0.05	5.18
FSW 575-M01-11GN	7/11/2002	<0.09	27.8	130	0.05	<0.02	243	<0.05	3.45
FSW 575-M01-12R	7/11/2002	<0.09	20.9	94	0.08	<0.02	246	<0.05	3.26
FSW 575-M01-13BU	7/11/2002	<0.09	20.2	78	0.08	<0.02	206	<0.05	3.43
FSW 575-M01-14BK	7/11/2002	<0.09	26.3	86	0.07	<0.02	226	<0.05	2.93

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Iron, dissolved (µM)	Potassium, dissolved (µM)	Magnesium, dissolved (µM)	Manganese, dissolved (µM)	Molybdenum, dissolved (µM)	Sodium, dissolved (µM)	Nickel, dissolved (µM)	Phosphorus, dissolved (µM)
FSW 575-M01-15W	7/11/2002	<0.09	32.6	77	0.52	<0.02	290	<0.05	2.82
FSW 575-M02-01PT (44-19)	7/11/2002	<0.09	10.8	18	0.07	<0.02	121	<0.05	<2.4
FSW 575-M02-02GNT (44-19)	7/11/2002	<0.09	25.1	38	0.12	<0.02	240	<0.05	<2.4
FSW 575-M02-03RT (44-19)	7/11/2002	<0.09	62.5	46	0.11	<0.02	273	0.062	14.98
FSW 575-M02-04BUT (44-19)	7/11/2002	<0.09	109.2	76	0.17	<0.02	246	0.157	25.30
FSW 575-M02-05BKT (44-19)	7/11/2002	<0.09	160.7	98	2.39	<0.02	278	0.211	37.89
FSW 575-M02-06WT (44-19)	7/11/2002	<0.09	199.4	96	3.93	<0.02	475	0.118	49.15
FSW 575-M02-07O (44-19)	7/11/2002	<0.09	212.3	91	5.04	<0.02	516	0.091	53.01
FSW 575-M02-08GY (44-19)	7/11/2002	<0.09	203.3	81	4.67	<0.02	549	<0.05	35.15
FSW 575-M02-09Y (44-19)	7/11/2002	<0.09	180.0	70	3.92	<0.02	493	<0.05	17.41
FSW 575-M02-09Y (44-19)-D	7/11/2002	<0.09	187.8	72	4.06	<0.02	520	<0.05	18.20
FSW 575-M02-10P (44-19)	7/11/2002	<0.09	179.2	76	3.36	<0.02	525	<0.05	9.34
FSW 575-M02-11GN (44-19)	7/11/2002	<0.09	172.2	83	3.25	<0.02	512	<0.05	7.40
FSW 575-M02-12R (44-19)	7/11/2002	<0.09	174.4	99	2.98	<0.02	655	<0.05	7.11
FSW 575-M02-13BU (44-19)	7/11/2002	0.1	170.8	97	3.18	<0.02	751	<0.05	8.25
FSW 575-M02-14BK (44-19)	7/11/2002	0.3	217.0	94	3.02	<0.02	682	<0.05	7.94
FSW 575-M02-15W (44-19)	7/11/2002	0.8	232.9	144	3.07	<0.02	656	<0.05	8.56
FSW 575-M01-01PT	8/30/2004	0.6	135.9	88	2.76	--	512	<0.05	5.70
FSW 575-M01-01PT-D	8/30/2004	0.6	140.9	90	2.80	--	517	<0.05	5.80
FSW 575-M01-02GNT	8/30/2004	0.3	148.6	90	2.16	--	667	<0.05	5.51
FSW 575-M01-03RT	8/30/2004	2.5	177.2	88	2.27	--	780	<0.05	6.10
FSW 575-M01-04BUT	8/30/2004	138.9	171.0	76	2.93	--	824	<0.05	37.06
FSW 575-M01-05BKT	8/30/2004	141.2	132.3	67	2.36	--	816	<0.05	36.64
FSW 575-M01-06WT	8/30/2004	124.3	127.1	97	2.46	--	801	<0.05	26.53

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Iron, dissolved (µM)	Potassium, dissolved (µM)	Magnesium, dissolved (µM)	Manganese, dissolved (µM)	Molybdenum, dissolved (µM)	Sodium, dissolved (µM)	Nickel, dissolved (µM)	Phosphorus, dissolved (µM)
FSW 575-M01-07O	8/30/2004	134.7	99.7	71	2.29	--	660	<0.05	25.93
FSW 575-M01-08GY	8/30/2004	0.8	68.0	77	1.57	--	518	<0.05	<2.4
FSW 575-M01-08GY-D	8/30/2004	0.3	69.6	79	1.58	--	522	<0.05	<2.4
FSW 575-M01-09Y	8/30/2004	0.1	61.5	96	0.53	--	334	<0.05	<2.4
FSW 575-M01-10P	8/30/2004	<0.09	41.5	71	0.09	--	230	<0.05	6.87
FSW 575-M01-11GN	8/30/2004	--	--	--	--	--	--	--	--
FSW 575-M01-12R	8/30/2004	--	--	--	--	--	--	--	--
FSW 575-M01-13BU	8/30/2004	<0.09	24.5	85	0.08	--	297	<0.05	5.77
FSW 575-M01-14BK	8/30/2004	<0.09	29.5	67	0.06	--	405	<0.05	5.37
FSW 575-M01-15W	8/30/2004	<0.09	31.1	62	0.13	--	437	<0.05	5.58
FSW 575-M02-01PT (44-19)	8/30/2004	<0.09	14.2	22	0.08	--	150	<0.05	<2.4
FSW 575-M02-02GNT (44-19)	8/30/2004	<0.09	23.4	35	0.10	--	211	<0.05	<2.4
FSW 575-M02-02GNT (44-19)-D	8/30/2004	<0.09	24.6	35	0.10	--	218	<0.05	<2.4
FSW 575-M02-03RT (44-19)	8/30/2004	<0.09	57.5	39	0.07	--	226	<0.05	16.58
FSW 575-M02-04BUT (44-19)	8/30/2004	<0.09	92.1	58	0.07	--	220	0.135	32.58
FSW 575-M02-05BKT (44-19)	8/30/2004	<0.09	134.0	69	0.22	--	279	0.138	51.17
FSW 575-M02-06WT (44-19)	8/30/2004	<0.09	154.1	70	2.86	--	360	0.106	60.12
FSW 575-M02-07O (44-19)	8/30/2004	<0.09	167.2	74	3.49	--	411	0.083	68.51
FSW 575-M02-08GY (44-19)	8/30/2004	<0.09	157.8	72	3.57	--	444	<0.05	54.05
FSW 575-M02-09Y (44-19)	8/30/2004	<0.09	165.3	69	2.78	--	453	<0.05	40.32
FSW 575-M02-10P (44-19)	8/30/2004	0.1	167.1	65	2.47	--	458	<0.05	15.35
FSW 575-M02-11GN (44-19)	8/30/2004	0.1	168.9	76	2.87	--	418	<0.05	8.66
FSW 575-M02-12R (44-19)	8/30/2004	<0.09	170.7	87	2.68	--	401	<0.05	18.88
FSW 575-M02-13BU (44-19)	8/30/2004	0.3	166.6	71	2.72	--	491	<0.05	5.57
FSW 575-M02-14BK (44-19)	8/30/2004	0.2	159.4	78	2.77	--	520	<0.05	5.38

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; µM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Iron, dissolved (µM)	Potassium, dissolved (µM)	Magnesium, dissolved (µM)	Manganese, dissolved (µM)	Molybdenum, dissolved (µM)	Sodium, dissolved (µM)	Nickel, dissolved (µM)	Phosphorus, dissolved (µM)
FSW 575-M02-15W (44-19)	8/30/2004	0.2	136.3	85	2.87	--	512	<0.05	5.42
FSW 577-0061	9/13/1995	0.5	411.5	166	2.56	--	2151	<0.51	75.06
FSW 577-0071	9/13/1995	0.5	522.8	117	2.32	--	2304	<0.51	111.02
FSW 577-0081	9/13/1995	0.6	182.0	172	5.18	--	2373	<0.51	68.80
FSW 577-0097	9/13/1995	0.3	202.2	216	4.15	--	1431	<0.51	37.54
FSW 577-0111	9/13/1995	<0.2	74.0	162	3.32	--	726	<0.51	15.84
FSW 577-0126	9/13/1995	<0.2	38.3	174	0.47	--	387	<0.51	<3.23
FSW 577-0142	9/13/1995	<0.2	21.3	125	0.35	--	232	<0.51	5.28
FSW 577-0051	12/6/1995	0.3	247.4	160	1.59	--	2117	<0.51	83.40
FSW 577-0061	12/6/1995	0.4	245.5	173	2.34	--	1907	<0.51	74.33
FSW 577-0071	12/6/1995	0.3	348.1	145	2.33	--	2254	<0.51	72.98
FSW 577-0081	12/7/1995	0.8	253.7	192	5.02	--	2451	<0.51	64.19
FSW 577-0097	12/7/1995	1.0	352.8	160	2.79	--	2196	<0.51	54.99
FSW 577-0111	12/7/1995	0.4	87.3	288	5.28	--	2004	<0.51	13.92
FSW 577-0126	12/7/1995	0.2	28.1	173	0.34	--	584	<0.51	<3.23
FSW 577-0142	12/7/1995	<0.2	25.3	119	<0.20	--	272	<0.51	4.94
FSW 577-0142-D	12/7/1995	<0.2	26.9	127	0.27	--	277	<0.51	7.89
FSW 577-0051	6/21/1996	0.4	223.6	57	0.58	--	869	<0.51	122.73
FSW 577-0051-R	6/21/1996	0.5	215.8	58	0.60	--	876	<0.51	123.72
FSW 577-0061	6/21/1996	0.5	378.0	206	2.97	--	2560	<0.51	94.14
FSW 577-0061-R	6/21/1996	0.5	344.9	201	2.90	--	2521	<0.51	91.73
FSW 577-0071	6/21/1996	0.4	198.6	142	2.28	--	2498	<0.51	155.89
FSW 577-0071-R	6/21/1996	0.5	185.6	139	2.24	--	2482	0.548	153.11

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Iron, dissolved (µM)	Potassium, dissolved (µM)	Magnesium, dissolved (µM)	Manganese, dissolved (µM)	Molybdenum, dissolved (µM)	Sodium, dissolved (µM)	Nickel, dissolved (µM)	Phosphorus, dissolved (µM)
FSW 577-0081	6/21/1996	0.6	247.6	120	2.92	--	2587	<0.51	121.97
FSW 577-0081-R	6/21/1996	0.6	244.5	124	3.02	--	2724	<0.51	128.00
FSW 577-0097	6/21/1996	0.8	369.1	88	1.80	--	2737	<0.51	75.24
FSW 577-0097-D	6/21/1996	0.9	358.5	87	1.82	--	2749	<0.51	76.81
FSW 577-0097-R	6/21/1996	0.8	336.7	87	1.78	--	2719	<0.51	75.62
FSW 577-0111	6/21/1996	0.5	59.5	69	1.27	--	1568	<0.51	39.55
FSW 577-0111-R	6/21/1996	0.6	64.4	71	1.32	--	1636	<0.51	42.04
FSW 577-0126	6/21/1996	<0.2	18.3	101	<0.20	--	518	<0.51	<3.23
FSW 577-0126-R	6/21/1996	<0.2	26.8	99	<0.20	--	508	<0.51	<3.23
FSW 577-0142	6/21/1996	<0.2	16.2	95	<0.20	--	206	<0.51	6.23
FSW 577-0142-R	6/21/1996	<0.2	18.1	94	<0.20	--	206	<0.51	7.54
FSW 577-0051	11/19/1996	0.3	213.0	68	0.66	--	909	<0.51	116.47
FSW 577-0061	11/19/1996	0.5	358.9	66	0.95	--	1806	<0.51	149.86
FSW 577-0071	11/19/1996	0.3	329.3	91	1.41	--	1940	<0.51	149.56
FSW 577-0081	11/19/1996	0.4	197.7	170	3.79	--	2367	<0.51	91.74
FSW 577-0097	11/19/1996	0.9	186.8	79	1.52	--	1073	<0.51	79.54
FSW 577-0097-D	11/19/1996	0.9	180.1	74	1.45	--	1037	<0.51	79.13
FSW 577-0111	11/19/1996	0.5	33.5	47	<0.20	--	448	<0.51	28.20
FSW 577-0126	11/19/1996	9.2	20.4	123	<0.20	--	237	<0.51	<3.23
FSW 577-0142	11/19/1996	0.4	21.9	151	<0.20	--	288	<0.51	7.33
FSW 577-0051	2/28/1997	0.5	153.5	49	0.49	--	605	<0.51	111.46
FSW 577-0061	2/28/1997	0.4	227.9	53	0.84	--	1227	<0.51	121.69
FSW 577-0071	2/28/1997	0.3	430.0	75	1.27	--	1556	<0.51	94.59
FSW 577-0081	2/28/1997	0.6	102.5	58	1.31	--	1396	<0.51	162.47

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Iron, dissolved (µM)	Potassium, dissolved (µM)	Magnesium, dissolved (µM)	Manganese, dissolved (µM)	Molybdenum, dissolved (µM)	Sodium, dissolved (µM)	Nickel, dissolved (µM)	Phosphorus, dissolved (µM)
FSW 577-0081-D	2/28/1997	0.6	109.8	62	1.37	--	1468	<0.51	171.80
FSW 577-0097	2/28/1997	0.3	152.6	105	2.12	--	847	<0.51	69.62
FSW 577-0111	2/28/1997	0.5	34.5	38	<0.20	--	409	<0.51	24.70
FSW 577-0126	2/28/1997	--	--	--	--	--	--	--	--
FSW 577-0142	2/28/1997	--	--	--	--	--	--	--	--
FSW 577-0051	5/29/1997	0.5	155.0	65	0.58	--	634	<0.51	92.59
FSW 577-0061	5/29/1997	<0.2	271.6	209	2.78	--	1811	<0.51	80.94
FSW 577-0071	5/29/1997	0.3	313.4	81	1.22	--	954	<0.51	89.45
FSW 577-0081	5/29/1997	0.9	102.5	54	1.13	--	1228	<0.51	156.38
FSW 577-0097	5/29/1997	0.9	179.3	109	2.26	--	674	<0.51	68.83
FSW 577-0111	5/29/1997	0.3	35.0	48	<0.20	--	381	<0.51	22.74
FSW 577-0126	5/29/1997	<0.2	18.9	99	<0.20	--	183	<0.51	<3.23
FSW 577-0126-D	5/29/1997	<0.2	26.6	102	<0.20	--	191	<0.51	<3.23
FSW 577-0142	5/29/1997	<0.2	14.6	99	<0.20	--	289	<0.51	5.87
FSW 577-0051	8/25/1997	0.6	133.8	49	0.45	--	526	<0.51	103.41
FSW 577-0061	8/25/1997	0.3	179.8	93	1.15	--	812	<0.51	109.60
FSW 577-0071	8/25/1997	0.5	284.6	87	1.16	--	908	<0.51	98.53
FSW 577-0071-D	8/25/1997	0.5	259.4	85	1.19	--	886	<0.51	95.19
FSW 577-0081	8/25/1997	0.7	341.0	123	2.44	--	486	<0.51	100.99
FSW 577-0097	8/25/1997	1.2	178.6	90	1.90	--	785	<0.51	84.41
FSW 577-0111	8/25/1997	0.6	43.1	57	<0.20	--	324	<0.51	21.67
FSW 577-0126	8/25/1997	<0.2	17.8	106	<0.20	--	203	<0.51	<3.23
FSW 577-0142	8/25/1997	<0.2	<10.2	97	<0.20	--	331	<0.51	6.36

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Iron, dissolved (µM)	Potassium, dissolved (µM)	Magnesium, dissolved (µM)	Manganese, dissolved (µM)	Molybdenum, dissolved (µM)	Sodium, dissolved (µM)	Nickel, dissolved (µM)	Phosphorus, dissolved (µM)
FSW 577-0051	11/13/1997	0.2	127.3	54	0.65	--	506	<0.51	86.59
FSW 577-0061	11/13/1997	0.5	146.0	88	1.11	--	764	<0.51	102.51
FSW 577-0071	11/13/1997	0.6	197.5	126	1.52	--	604	<0.51	93.15
FSW 577-0071-D	11/13/1997	0.6	223.6	125	1.46	--	596	<0.51	91.58
FSW 577-0081	11/13/1997	0.7	261.9	101	2.26	--	337	<0.51	90.16
FSW 577-0097	11/13/1997	1.3	139.9	76	1.69	--	642	<0.51	80.63
FSW 577-0111	11/13/1997	0.3	39.6	57	<0.20	--	282	<0.51	16.18
FSW 577-0126	11/13/1997	<0.2	17.9	105	<0.20	--	195	<0.51	<3.23
FSW 577-0142	11/13/1997	<0.2	11.8	84	<0.20	--	307	<0.51	5.95
FSW 577-0051	6/18/1998	0.2	116.1	42	0.40	--	354	<0.51	84.73
FSW 577-0061	6/18/1998	<0.2	198.9	152	1.47	--	665	<0.51	84.32
FSW 577-0071	6/18/1998	0.5	143.8	155	1.63	--	534	<0.51	97.85
FSW 577-0071-D	6/18/1998	0.5	153.5	155	1.62	--	540	<0.51	97.00
FSW 577-0081	6/18/1998	0.7	185.8	161	3.40	--	364	<0.51	90.93
FSW 577-0097	6/18/1998	0.8	185.1	92	2.27	--	689	<0.51	67.73
FSW 577-0111	6/18/1998	<0.2	67.2	89	0.38	--	476	<0.51	14.42
FSW 577-0126	6/18/1998	<0.2	19.4	101	<0.20	--	194	<0.51	<3.23
FSW 577-0142	6/18/1998	<0.2	14.9	79	<0.20	--	320	<0.51	6.05
FSW 577-0051	11/17/1998	0.4	153.6	63	0.79	--	394	<0.51	88.24
FSW 577-0061	11/17/1998	<0.2	303.0	181	1.65	--	578	<0.51	90.30
FSW 577-0061-D	11/17/1998	<0.2	263.3	170	1.54	--	535	<0.51	87.00
FSW 577-0071	11/17/1998	0.7	155.0	170	1.83	--	465	<0.51	107.52
FSW 577-0081	11/17/1998	1.2	179.6	188	4.06	--	398	<0.51	107.21
FSW 577-0097	11/17/1998	1.0	229.2	113	3.51	--	780	<0.51	57.97

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Well or multilevel-sampler port	Date	Iron, dissolved (µM)	Potassium, dissolved (µM)	Magnesium, dissolved (µM)	Manganese, dissolved (µM)	Molybdenum, dissolved (µM)	Sodium, dissolved (µM)	Nickel, dissolved (µM)	Phosphorus, dissolved (µM)
FSW 577-0111	11/17/1998	<0.2	57.7	50	0.61	--	561	<0.51	19.16
FSW 577-0126	11/17/1998	<0.2	21.7	108	<0.20	--	210	<0.51	<3.23
FSW 577-0142	11/17/1998	<0.2	19.4	95	<0.20	--	423	<0.51	11.44
FSW 577-0051	6/30/1999	<0.2	150.1	68	0.69	--	192	<0.51	76.73
FSW 577-0051-X	6/30/1999	<0.2	<10.2	<4	<0.20	--	1176	<0.51	76.79
FSW 577-0061	6/30/1999	<0.2	186.4	90	0.84	--	518	<0.51	93.20
FSW 577-0071	6/30/1999	1.0	181.9	112	1.61	--	482	<0.51	95.87
FSW 577-0081	6/30/1999	1.5	164.7	147	3.97	--	468	<0.51	93.00
FSW 577-0081-D	6/30/1999	1.6	185.9	165	4.42	--	522	<0.51	102.10
FSW 577-0097	6/30/1999	1.5	139.5	109	4.41	--	734	<0.51	49.05
FSW 577-0111	6/30/1999	<0.2	34.8	37	0.34	--	533	<0.51	16.39
FSW 577-0126	6/30/1999	<0.2	18.1	98	<0.20	--	192	<0.51	<3.23
FSW 577-0142	6/30/1999	<0.2	11.1	83	<0.20	--	343	<0.51	8.82
FSW 577-0051	6/23/2000	0.3	158.6	61	0.58	<0.02	168	0.110	96.20
FSW 577-0051-X	6/23/2000	<0.09	44.2	<4	<0.04	<0.02	1087	<0.05	96.83
FSW 577-0061	6/23/2000	<0.09	187.1	140	1.18	<0.02	574	0.148	70.12
FSW 577-0061-D	6/23/2000	0.2	219.9	161	1.41	<0.02	689	0.191	86.94
FSW 577-0071	6/23/2000	2.9	235.3	130	2.44	<0.02	653	0.170	80.92
FSW 577-0081	6/23/2000	3.6	193.2	146	5.99	<0.02	540	<0.05	91.94
FSW 577-0097	6/23/2000	7.6	120.6	149	9.20	<0.02	873	<0.05	51.09
FSW 577-0111	6/22/2000	<0.09	26.1	36	0.19	<0.02	473	<0.05	14.91
FSW 577-0126	6/22/2000	<0.09	21.7	115	0.06	<0.02	209	<0.05	3.98
FSW 577-0142	6/22/2000	<0.09	14.7	87	0.04	<0.02	370	<0.05	7.79

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Well or multilevel-sampler port	Date	Iron, dissolved (µM)	Potassium, dissolved (µM)	Magnesium, dissolved (µM)	Manganese, dissolved (µM)	Molybdenum, dissolved (µM)	Sodium, dissolved (µM)	Nickel, dissolved (µM)	Phosphorus, dissolved (µM)
FSW 577-0051	8/15/2002	0.2	106.6	46	0.45	<0.02	156	0.088	74.40
FSW 577-0061	8/15/2002	0.2	88.5	68	0.72	<0.02	406	0.091	61.34
FSW 577-0071	8/15/2002	0.2	99.0	58	1.19	<0.02	431	0.087	47.84
FSW 577-0081	8/15/2002	8.3	78.3	60	6.69	<0.02	620	<0.05	73.05
FSW 577-0097	8/15/2002	18.0	39.0	50	5.98	<0.02	742	<0.05	54.41
FSW 577-0111	8/15/2002	<0.09	20.6	40	0.25	<0.02	397	<0.05	12.53
FSW 577-0126	8/15/2002	<0.09	19.3	156	0.06	<0.02	213	<0.05	4.94
FSW 577-0142	8/15/2002	<0.09	16.4	129	0.05	<0.02	199	<0.05	7.87
FSW 577-0051	8/2/2004	0.1	93.8	42	0.42	--	119	0.080	54.27
FSW 577-0051-D	8/2/2004	0.1	82.2	45	0.42	--	157	0.085	54.59
FSW 577-0061	8/2/2004	0.2	79.3	68	0.79	--	344	0.092	45.55
FSW 577-0071	8/2/2004	1.8	95.8	85	2.25	--	349	0.136	53.37
FSW 577-0081	8/2/2004	14.5	53.4	47	6.30	--	659	<0.05	67.06
FSW 577-0097	8/2/2004	27.8	49.1	76	6.25	--	944	<0.05	48.88
FSW 577-0111	8/2/2004	<0.09	54.9	197	0.48	--	790	0.102	7.10
FSW 577-0126	8/2/2004	<0.09	34.1	334	0.13	--	340	<0.05	<2.4
FSW 577-0142	8/2/2004	<0.09	18.3	106	0.04	--	238	<0.05	6.99
FSW 586-0058	6/15/1996	0.3	170.3	54	0.88	--	638	<0.51	72.84
FSW 586-0068	6/15/1996	0.5	457.0	149	4.98	--	2130	<0.51	62.08
FSW 586-0078	6/15/1996	0.5	246.3	191	4.36	--	2181	<0.51	56.64
FSW 586-0088	6/15/1996	0.3	265.4	158	3.09	--	2184	<0.51	3.34
FSW 586-0098	6/15/1996	1.1	212.0	147	1.85	--	2252	<0.51	<3.23
FSW 586-0113	6/15/1996	0.4	118.3	143	4.99	--	2301	<0.51	<3.23
FSW 586-0128	6/15/1996	<0.2	29.4	74	0.31	--	743	<0.51	<3.23

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; µM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Iron, dissolved (µM)	Potassium, dissolved (µM)	Magnesium, dissolved (µM)	Manganese, dissolved (µM)	Molybdenum, dissolved (µM)	Sodium, dissolved (µM)	Nickel, dissolved (µM)	Phosphorus, dissolved (µM)
FSW 586-0128-D	6/15/1996	<0.2	34.0	73	0.31	--	746	<0.51	<3.23
FSW 586-0143	6/15/1996	<0.2	15.1	78	<0.20	--	218	<0.51	5.32
FSW 586-0058	11/22/1996	0.7	240.1	116	1.96	--	1151	<0.51	62.12
FSW 586-0068	11/22/1996	0.4	253.8	168	5.13	--	2321	<0.51	54.55
FSW 586-0078	11/22/1996	0.4	230.3	150	3.70	--	2468	<0.51	78.23
FSW 586-0088	11/22/1996	0.4	308.9	125	2.48	--	2423	<0.51	<3.23
FSW 586-0098	11/22/1996	0.2	243.4	129	1.46	--	2496	<0.51	<3.23
FSW 586-0113	11/22/1996	<0.2	57.6	32	1.14	--	1480	<0.51	<3.23
FSW 586-0113-D	11/22/1996	0.3	66.1	36	1.31	--	1724	<0.51	3.70
FSW 586-0128	11/22/1996	<0.2	15.8	16	<0.20	--	459	<0.51	3.51
FSW 586-0143	11/22/1996	<0.2	23.2	117	<0.20	--	281	<0.51	5.92
FSW 586-0058	3/6/1997	0.4	167.6	53	0.93	--	952	<0.51	128.64
FSW 586-0068	3/6/1997	0.4	175.4	84	2.42	--	1838	<0.51	115.18
FSW 586-0078	3/6/1997	0.4	136.0	103	2.55	--	1960	<0.51	105.98
FSW 586-0088	3/6/1997	0.6	359.0	112	2.19	--	2266	<0.51	4.42
FSW 586-0098	3/6/1997	0.5	263.8	40	0.54	--	877	<0.51	4.40
FSW 586-0098-D	3/6/1997	0.5	264.8	41	0.56	--	894	<0.51	5.22
FSW 586-0113	3/6/1997	<0.2	47.6	78	2.47	--	570	<0.51	<3.23
FSW 586-0128	3/6/1997	10.2	16.5	42	0.22	--	268	<0.51	<3.23
FSW 586-0143	3/6/1997	<0.2	22.3	124	<0.20	--	309	<0.51	7.14
FSW 586-0058	6/10/1997	<0.2	225.4	89	1.55	--	721	<0.51	75.00
FSW 586-0068	6/10/1997	0.3	164.7	73	2.02	--	1655	<0.51	116.20
FSW 586-0078	6/10/1997	0.3	122.4	84	2.08	--	1795	<0.51	102.55

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; µM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Iron, dissolved (µM)	Potassium, dissolved (µM)	Magnesium, dissolved (µM)	Manganese, dissolved (µM)	Molybdenum, dissolved (µM)	Sodium, dissolved (µM)	Nickel, dissolved (µM)	Phosphorus, dissolved (µM)
FSW 586-0088	6/10/1997	3.5	237.1	59	1.14	--	1747	<0.51	8.70
FSW 586-0098	6/10/1997	0.9	212.8	48	0.94	--	834	<0.51	5.32
FSW 586-0113	6/10/1997	<0.2	51.5	56	1.17	--	573	<0.51	<3.23
FSW 586-0128	6/10/1997	<0.2	20.9	55	0.21	--	197	<0.51	<3.23
FSW 586-0143	6/10/1997	<0.2	17.0	109	<0.20	--	299	<0.51	6.15
FSW 586-0143-D	6/10/1997	<0.2	23.7	107	<0.20	--	294	<0.51	7.37
FSW 586-0058	8/26/1997	0.2	156.6	46	0.79	--	614	<0.51	87.88
FSW 586-0068	8/26/1997	<0.2	282.6	151	4.01	--	1714	<0.51	75.41
FSW 586-0078	8/26/1997	<0.2	175.3	143	3.25	--	1266	<0.51	77.04
FSW 586-0088	8/26/1997	1.5	176.1	41	0.82	--	1343	<0.51	9.71
FSW 586-0088-D	8/26/1997	1.6	169.6	41	0.84	--	1339	<0.51	10.33
FSW 586-0098	8/26/1997	1.1	143.4	37	0.71	--	1137	<0.51	7.60
FSW 586-0113	8/26/1997	<0.2	56.3	57	1.41	--	595	<0.51	<3.23
FSW 586-0128	8/26/1997	<0.2	15.7	53	<0.20	--	198	<0.51	<3.23
FSW 586-0143	8/26/1997	<0.2	27.3	97	<0.20	--	287	<0.51	7.28
FSW 586-0058	11/6/1997	<0.2	183.4	69	1.21	--	639	<0.51	59.49
FSW 586-0068	11/6/1997	<0.2	230.3	70	1.90	--	924	<0.51	95.97
FSW 586-0078	11/6/1997	1.0	236.7	97	2.41	--	1170	<0.51	87.03
FSW 586-0078-D	11/6/1997	0.9	249.9	96	2.34	--	1158	<0.51	85.88
FSW 586-0088	11/6/1997	0.7	151.0	91	1.61	--	477	<0.51	14.52
FSW 586-0098	11/7/1997	1.7	154.0	81	1.56	--	618	<0.51	6.70
FSW 586-0113	11/7/1997	<0.2	42.7	40	0.57	--	476	<0.51	<3.23
FSW 586-0128	11/7/1997	<0.2	17.2	54	<0.20	--	186	<0.51	<3.23
FSW 586-0143	11/7/1997	<0.2	14.1	90	<0.20	--	278	<0.51	6.24

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Iron, dissolved (μM)	Potassium, dissolved (μM)	Magnesium, dissolved (μM)	Manganese, dissolved (μM)	Molybdenum, dissolved (μM)	Sodium, dissolved (μM)	Nickel, dissolved (μM)	Phosphorus, dissolved (μM)
FSW 586-0058	7/9/1998	<0.2	152.2	89	1.43	--	442	<0.51	66.44
FSW 586-0068	7/9/1998	0.2	192.8	76	1.91	--	817	<0.51	99.53
FSW 586-0078	7/9/1998	0.7	229.6	121	2.69	--	445	<0.51	69.65
FSW 586-0088	7/9/1998	0.8	240.3	89	1.33	--	491	<0.51	40.14
FSW 586-0088-D	7/9/1998	0.8	261.3	85	1.29	--	467	<0.51	40.61
FSW 586-0098	7/9/1998	1.5	181.0	57	0.92	--	694	<0.51	32.26
FSW 586-0113	7/9/1998	0.5	47.9	50	0.25	--	372	<0.51	4.96
FSW 586-0128	7/9/1998	<0.2	27.6	71	<0.20	--	221	<0.51	<3.23
FSW 586-0143	7/9/1998	<0.2	19.9	85	<0.20	--	316	<0.51	7.50
FSW 586-0058	11/19/1998	<0.2	157.4	67	1.09	--	309	<0.51	90.32
FSW 586-0068	11/19/1998	<0.2	217.9	125	2.97	--	749	<0.51	88.96
FSW 586-0078	11/19/1998	0.3	198.1	167	3.39	--	439	<0.51	79.93
FSW 586-0078-D	11/19/1998	0.4	203.7	167	3.35	--	434	<0.51	78.76
FSW 586-0088	11/19/1998	0.5	241.1	101	1.51	--	469	<0.51	45.61
FSW 586-0098	11/19/1998	1.4	153.6	67	1.04	--	667	<0.51	42.45
FSW 586-0113	11/19/1998	0.2	80.4	116	1.19	--	559	<0.51	7.07
FSW 586-0128	11/19/1998	<0.2	28.8	98	0.23	--	282	<0.51	<3.23
FSW 586-0143	11/19/1998	<0.2	22.7	79	<0.20	--	310	<0.51	7.70
FSW 586-0058	7/12/1999	<0.2	156.5	84	1.33	--	274	<0.51	66.87
FSW 586-0068	7/12/1999	<0.2	193.8	110	2.50	--	650	<0.51	85.97
FSW 586-0078	7/12/1999	0.4	181.2	199	4.28	--	448	<0.51	74.16
FSW 586-0088	7/12/1999	0.6	183.5	121	2.01	--	745	<0.51	51.27
FSW 586-0098	7/12/1999	3.5	138.1	124	2.24	--	804	<0.51	35.30

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Iron, dissolved (μM)	Potassium, dissolved (μM)	Magnesium, dissolved (μM)	Manganese, dissolved (μM)	Molybdenum, dissolved (μM)	Sodium, dissolved (μM)	Nickel, dissolved (μM)	Phosphorus, dissolved (μM)
FSW 586-0113	7/12/1999	0.2	42.3	102	1.13	--	449	<0.51	<3.23
FSW 586-0128	7/12/1999	<0.2	22.0	69	<0.20	--	269	<0.51	<3.23
FSW 586-0143	7/12/1999	<0.2	13.9	84	<0.20	--	339	<0.51	6.12
FSW 586-0058	6/21/2000	<0.09	150.4	64	0.88	<0.02	340	0.145	71.21
FSW 586-0068	6/21/2000	<0.09	249.5	125	2.17	<0.02	773	0.145	82.50
FSW 586-0078	6/21/2000	0.4	203.9	125	3.53	<0.02	713	0.052	72.91
FSW 586-0078	6/21/2000	0.4	202.2	123	3.46	<0.02	706	<0.05	70.86
FSW 586-0088	6/21/2000	1.7	215.6	193	4.02	<0.02	877	<0.05	61.15
FSW 586-0098	6/21/2000	4.5	147.7	102	2.15	<0.02	752	<0.05	35.27
FSW 586-0113	6/21/2000	<0.09	32.7	51	0.19	<0.02	481	<0.05	4.88
FSW 586-0128	6/21/2000	<0.09	22.7	71	0.12	<0.02	253	<0.05	3.89
FSW 586-0143	6/21/2000	<0.09	18.4	89	0.08	<0.02	334	<0.05	7.50
FSW 586-0058	7/31/2002	<0.09	143.2	80	0.83	<0.02	156	0.151	57.15
FSW 586-0058-D	7/31/2002	<0.09	137.6	81	0.84	<0.02	142	0.147	57.74
FSW 586-0068	7/31/2002	1.6	113.4	96	1.71	<0.02	558	0.087	54.10
FSW 586-0078	7/31/2002	0.5	112.5	62	2.99	<0.02	538	<0.05	50.20
FSW 586-0088	7/31/2002	8.8	135.5	116	7.08	<0.02	489	0.050	43.61
FSW 586-0098	7/31/2002	20.8	91.1	108	8.31	<0.02	698	<0.05	31.62
FSW 586-0113	7/31/2002	0.1	27.1	38	0.36	<0.02	331	<0.05	7.68
FSW 586-0128	7/31/2002	<0.09	19.2	99	0.12	<0.02	235	<0.05	<3.23
FSW 586-0143	7/31/2002	<0.09	17.0	81	0.07	<0.02	295	<0.05	8.30
FSW 586-0058	8/2/2004	<0.09	118.0	68	0.65	--	141	0.128	61.41
FSW 586-0068	8/2/2004	0.2	82.1	102	1.44	--	360	0.072	54.63

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; µM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Iron, dissolved (µM)	Potassium, dissolved (µM)	Magnesium, dissolved (µM)	Manganese, dissolved (µM)	Molybdenum, dissolved (µM)	Sodium, dissolved (µM)	Nickel, dissolved (µM)	Phosphorus, dissolved (µM)
FSW 586-0078	8/2/2004	1.0	77.5	68	3.74	--	396	<0.05	42.46
FSW 586-0088	8/2/2004	4.3	80.1	48	4.04	--	740	<0.05	74.61
FSW 586-0098	8/2/2004	7.4	38.8	27	4.24	--	776	<0.05	65.60
FSW 586-0113	8/2/2004	<0.09	36.4	76	0.94	--	792	<0.05	5.86
FSW 586-0128	8/2/2004	<0.09	16.5	187	0.14	--	322	<0.05	3.12
FSW 586-0143	8/2/2004	<0.09	17.1	99	0.08	--	246	<0.05	6.22
FSW 586-0143-D	8/2/2004	0.5	15.2	102	0.09	--	266	<0.05	6.45
SDW 436-M01-02GNT	7/12/2002	<0.09	47.2	57	2.82	<0.02	298	0.140	22.49
SDW 436-M01-03RT	7/12/2002	<0.09	55.5	63	1.43	<0.02	307	0.100	18.07
SDW 436-M01-04BUT	7/12/2002	0.1	74.8	78	0.63	<0.02	303	0.059	20.33
SDW 436-M01-05BKT	7/12/2002	<0.09	58.1	59	0.27	<0.02	292	<0.05	19.37
SDW 436-M01-06WT	7/12/2002	<0.09	47.5	65	0.37	<0.02	365	<0.05	19.58
SDW 436-M01-07O	7/12/2002	0.5	45.0	75	0.84	<0.02	427	0.050	23.86
SDW 436-M01-07O-D	7/12/2002	0.5	48.2	77	0.85	<0.02	452	0.057	24.42
SDW 436-M01-08GY	7/12/2002	0.3	17.9	104	1.41	<0.02	666	<0.05	20.27
SDW 436-M01-09Y	7/12/2002	0.2	9.8	113	26.41	<0.02	867	<0.05	20.11
SDW 436-M01-10P	7/12/2002	0.4	17.9	117	33.76	<0.02	867	<0.05	15.35
SDW 436-M01-11GN	7/12/2002	<0.09	10.8	84	17.03	<0.02	649	<0.05	11.35
SDW 436-M01-12R	7/12/2002	<0.09	12.4	73	1.69	<0.02	337	<0.05	6.55
SDW 436-M01-13BU	7/12/2002	<0.09	19.9	32	1.02	<0.02	317	<0.05	6.22
SDW 436-M01-14BK	7/12/2002	<0.09	25.5	109	0.08	<0.02	237	<0.05	6.63
SDW 436-M01-15W	7/12/2002	<0.09	25.8	153	0.06	<0.02	249	<0.05	<2.4
SDW 436-M01-01PT	5/27/2003	0.5	84.9	72	0.23	--	322	<0.05	69.22
SDW 436-M01-02GNT	5/27/2003	0.1	53.9	85	3.09	--	231	0.158	41.23

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Iron, dissolved (μM)	Potassium, dissolved (μM)	Magnesium, dissolved (μM)	Manganese, dissolved (μM)	Molybdenum, dissolved (μM)	Sodium, dissolved (μM)	Nickel, dissolved (μM)	Phosphorus, dissolved (μM)
SDW 436-M01-02GNT-D	5/27/2003	0.1	55.2	86	3.13	--	237	0.158	41.97
SDW 436-M01-03RT	5/27/2003	<0.09	40.8	71	0.95	--	348	0.077	19.51
SDW 436-M01-04BUT	5/27/2003	<0.09	51.6	88	0.46	--	339	0.080	22.58
SDW 436-M01-05BKT	5/27/2003	<0.09	45.2	88	0.22	--	591	<0.05	20.58
SDW 436-M01-06WT	5/27/2003	<0.09	33.1	79	0.24	--	442	<0.05	20.74
SDW 436-M01-07O	5/27/2003	<0.09	33.5	90	0.49	--	479	<0.05	25.01
SDW 436-M01-08GY	5/27/2003	<0.09	12.7	106	1.65	--	822	<0.05	24.37
SDW 436-M01-09Y	5/27/2003	<0.09	9.0	109	30.74	--	786	<0.05	19.38
SDW 436-M01-10P	5/27/2003	<0.09	9.1	178	55.63	--	963	<0.05	14.52
SDW 436-M01-11GN	5/27/2003	<0.09	10.1	145	6.38	--	873	<0.05	7.36
SDW 436-M01-12R	5/27/2003	<0.09	10.8	129	3.27	--	512	<0.05	4.44
SDW 436-M01-13BU	5/27/2003	<0.09	22.6	86	2.43	--	275	<0.05	3.20
SDW 436-M01-13BU-D	5/27/2003	<0.09	22.1	85	2.40	--	273	<0.05	3.21
SDW 436-M01-14BK	5/27/2003	<0.09	20.0	130	0.08	--	228	<0.05	4.98
SDW 436-M01-15W	5/27/2003	<0.09	18.2	121	0.07	--	246	<0.05	4.36
SDW 436-M01-01PT	8/26/2004	0.1	99.6	60	0.19	--	125	<0.05	73.90
SDW 436-M01-02GNT	8/26/2004	<0.09	101.9	58	1.03	--	313	0.068	53.98
SDW 436-M01-02GNT-X	8/26/2004	<0.09	8.8	2	0.07	--	1087	<0.05	53.24
SDW 436-M01-03RT	8/26/2004	<0.09	40.0	43	0.43	--	232	0.055	17.90
SDW 436-M01-04BUT	8/26/2004	<0.09	45.9	52	0.19	--	265	<0.05	21.23
SDW 436-M01-04BUT-X	8/26/2004	<0.09	<3.8	<4.1	<0.04	--	1162	<0.05	20.84
SDW 436-M01-05BKT	8/26/2004	0.3	48.1	63	0.55	--	347	<0.05	17.17
SDW 436-M01-06WT	8/26/2004	<0.09	48.8	137	0.35	--	664	0.058	12.57
SDW 436-M01-06WT-D	8/26/2004	<0.09	44.6	139	0.33	--	662	0.055	12.62
SDW 436-M01-07O	8/26/2004	<0.09	37.8	107	0.59	--	549	<0.05	17.57

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Iron, dissolved (μM)	Potassium, dissolved (μM)	Magnesium, dissolved (μM)	Manganese, dissolved (μM)	Molybdenum, dissolved (μM)	Sodium, dissolved (μM)	Nickel, dissolved (μM)	Phosphorus, dissolved (μM)
SDW 436-M01-08GY	8/26/2004	<0.09	11.8	112	11.64	--	685	<0.05	16.89
SDW 436-M01-09Y	8/26/2004	<0.09	9.5	94	36.35	--	817	<0.05	15.62
SDW 436-M01-10P	8/26/2004	<0.09	19.9	170	19.13	--	1167	<0.05	9.79
SDW 436-M01-11GN	8/26/2004	<0.09	19.8	262	2.64	--	1585	<0.05	4.64
SDW 436-M01-12R	8/26/2004	<0.09	29.1	165	3.53	--	990	<0.05	3.58
SDW 436-M01-13BU	8/26/2004	<0.09	28.0	202	3.87	--	586	<0.05	<2.4
SDW 436-M01-14BK	8/26/2004	<0.09	37.9	287	0.14	--	357	<0.05	2.90
SDW 436-M01-15W	8/26/2004	<0.09	17.9	95	0.04	--	301	<0.05	4.52
SDW 469-M01-01PT	9/27/1995	--	--	--	--	--	--	--	--
SDW 469-M01-02GNT	9/27/1995	0.6	385.7	166	0.44	--	2293	<0.51	131.45
SDW 469-M01-03RT	9/27/1995	0.4	374.7	157	0.36	--	2232	<0.51	141.75
SDW 469-M01-04BUT	9/27/1995	0.3	418.4	162	0.43	--	2483	<0.51	125.57
SDW 469-M01-05BKT	9/27/1995	0.4	305.9	86	0.49	--	2226	<0.51	155.31
SDW 469-M01-06WT	9/27/1995	0.3	269.7	144	1.02	--	1612	<0.51	106.08
SDW 469-M01-07O	9/27/1995	0.4	237.9	196	1.01	--	2408	<0.51	89.29
SDW 469-M01-08GY	9/27/1995	0.5	267.0	200	1.49	--	2853	<0.51	76.67
SDW 469-M01-09Y	9/27/1995	1.0	253.6	122	2.06	--	2329	<0.51	87.01
SDW 469-M01-10P	9/27/1995	1.4	300.8	130	2.26	--	2227	<0.51	89.39
SDW 469-M01-11GN	9/27/1995	0.4	292.1	218	2.63	--	2444	<0.51	63.24
SDW 469-M01-12R	9/27/1995	0.8	139.6	235	1.90	--	2848	<0.51	32.91
SDW 469-M01-13BU	9/27/1995	0.2	62.5	102	1.24	--	1255	<0.51	10.24
SDW 469-M01-14BK	9/27/1995	0.2	22.4	199	0.82	--	556	<0.51	5.27
SDW 469-M01-15W	9/27/1995	<0.2	24.0	142	<0.20	--	370	<0.51	4.84
SDW 469-M01-01PT	11/28/1995	--	--	--	--	--	--	--	--

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Iron, dissolved (μM)	Potassium, dissolved (μM)	Magnesium, dissolved (μM)	Manganese, dissolved (μM)	Molybdenum, dissolved (μM)	Sodium, dissolved (μM)	Nickel, dissolved (μM)	Phosphorus, dissolved (μM)
SDW 469-M01-02GNT	11/28/1995	0.3	296.5	191	0.49	--	2114	<0.51	119.32
SDW 469-M01-03RT	11/28/1995	<0.2	317.3	248	0.42	--	2289	<0.51	112.64
SDW 469-M01-03RT-R	11/28/1995	0.3	259.1	232	0.41	--	2305	<0.51	113.60
SDW 469-M01-03RT-X	11/28/1995	0.3	61.0	3	<0.20	--	4652	<0.51	109.29
SDW 469-M01-04BUT	11/28/1995	<0.2	324.9	200	0.32	--	1959	<0.51	136.24
SDW 469-M01-05BKT	11/28/1995	<0.2	331.7	117	0.61	--	2293	<0.51	121.94
SDW 469-M01-06WT	11/28/1995	0.2	233.9	110	0.87	--	2350	<0.51	195.46
SDW 469-M01-06WT-R	11/28/1995	0.3	192.3	104	0.83	--	2378	<0.51	195.65
SDW 469-M01-06WT-X	11/28/1995	0.3	25.4	4	<0.20	--	3835	<0.51	195.51
SDW 469-M01-07O	11/28/1995	0.2	196.9	119	0.62	--	2415	<0.51	201.83
SDW 469-M01-08GY	11/28/1995	0.2	170.3	169	1.17	--	2207	<0.51	90.28
SDW 469-M01-09Y	11/28/1995	0.2	235.1	160	2.33	--	2477	<0.51	76.52
SDW 469-M01-10P	11/28/1995	0.3	285.2	136	1.98	--	2606	<0.51	72.25
SDW 469-M01-11GN	11/28/1995	0.3	203.1	152	1.55	--	2410	<0.51	72.59
SDW 469-M01-11GN-D	11/28/1995	0.2	232.3	158	1.58	--	2383	<0.51	72.89
SDW 469-M01-12R	11/28/1995	0.3	154.1	193	1.39	--	2227	<0.51	38.73
SDW 469-M01-12R-R	11/28/1995	0.4	118.9	183	1.34	--	2247	<0.51	38.79
SDW 469-M01-12R-X	11/28/1995	0.3	63.2	83	0.60	--	3317	<0.51	37.80
SDW 469-M01-13BU	11/28/1995	0.3	84.1	130	1.46	--	2048	<0.51	12.56
SDW 469-M01-14BK	11/28/1995	<0.2	29.7	151	0.44	--	483	<0.51	7.94
SDW 469-M01-15W	11/28/1995	<0.2	41.9	131	<0.20	--	484	<0.51	7.19
SDW 469-M01-01PT	1/25/1996	--	--	--	--	--	--	--	--
SDW 469-M01-02GNT	1/25/1996	0.3	241.9	199	0.50	--	2006	<0.51	106.69
SDW 469-M01-02GNT-D	1/25/1996	0.3	208.2	187	0.45	--	2130	<0.51	107.36
SDW 469-M01-03RT	1/25/1996	0.3	272.5	156	0.33	--	1472	<0.51	120.73

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Iron, dissolved (μM)	Potassium, dissolved (μM)	Magnesium, dissolved (μM)	Manganese, dissolved (μM)	Molybdenum, dissolved (μM)	Sodium, dissolved (μM)	Nickel, dissolved (μM)	Phosphorus, dissolved (μM)
SDW 469-M01-03RT-X	1/25/1996	0.3	254.0	143	<0.20	--	1757	<0.51	121.54
SDW 469-M01-04BUT	1/25/1996	<0.2	367.3	145	0.45	--	1884	<0.51	139.12
SDW 469-M01-05BKT	1/25/1996	0.3	359.9	126	0.82	--	2022	<0.51	139.83
SDW 469-M01-06WT	1/25/1996	0.3	408.4	116	0.92	--	2087	<0.51	138.10
SDW 469-M01-06WT-X	1/25/1996	0.3	319.7	117	0.49	--	2332	<0.51	140.16
SDW 469-M01-07O	1/25/1996	0.3	301.6	121	0.90	--	2210	<0.51	190.69
SDW 469-M01-08GY	1/25/1996	0.4	144.1	172	1.15	--	2015	0.544	152.22
SDW 469-M01-09Y	1/25/1996	0.3	158.2	153	2.26	--	1958	<0.51	75.81
SDW 469-M01-10P	1/25/1996	0.3	178.7	138	1.93	--	2169	<0.51	66.59
SDW 469-M01-11GN	1/25/1996	0.3	156.9	156	1.45	--	2019	<0.51	68.34
SDW 469-M01-11GN-D	1/25/1996	0.3	149.7	147	1.41	--	2118	<0.51	69.83
SDW 469-M01-12R	1/25/1996	0.3	150.0	133	0.74	--	2040	<0.51	55.82
SDW 469-M01-12R-X	1/25/1996	0.3	152.3	133	0.25	--	2258	<0.51	54.65
SDW 469-M01-13BU	1/25/1996	0.3	58.1	114	1.38	--	1469	<0.51	11.86
SDW 469-M01-14BK	1/25/1996	<0.2	33.1	95	0.44	--	648	<0.51	10.11
SDW 469-M01-15W	1/25/1996	<0.2	37.5	149	0.27	--	519	<0.51	9.39
SDW 469-M01-01PT	3/21/1996	--	--	--	--	--	--	--	--
SDW 469-M01-02GNT	3/21/1996	0.6	178.9	100	0.23	--	1527	<0.51	132.74
SDW 469-M01-03RT	3/21/1996	0.3	275.9	118	0.28	--	1485	<0.51	124.53
SDW 469-M01-03RT-D	3/21/1996	0.2	296.1	128	0.39	--	1589	<0.51	132.72
SDW 469-M01-03RT-X	3/21/1996	0.3	81.9	3	<0.20	--	2823	<0.51	120.19
SDW 469-M01-04BUT	3/21/1996	0.3	430.0	139	0.60	--	2054	<0.51	137.12
SDW 469-M01-05BKT	3/21/1996	0.3	344.8	150	0.86	--	2211	<0.51	113.54
SDW 469-M01-06WT	3/21/1996	0.3	305.3	105	0.74	--	2079	<0.51	129.74
SDW 469-M01-06WT-X	3/21/1996	0.3	86.8	3	<0.20	--	3532	<0.51	126.73

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Iron, dissolved (µM)	Potassium, dissolved (µM)	Magnesium, dissolved (µM)	Manganese, dissolved (µM)	Molybdenum, dissolved (µM)	Sodium, dissolved (µM)	Nickel, dissolved (µM)	Phosphorus, dissolved (µM)
SDW 469-M01-07O	3/21/1996	0.4	92.1	10	<0.20	--	3722	<0.51	179.06
SDW 469-M01-08GY	3/21/1996	0.4	196.0	175	1.09	--	2172	<0.51	164.26
SDW 469-M01-09Y	3/21/1996	0.3	138.2	174	2.13	--	2264	<0.51	99.16
SDW 469-M01-10P	3/21/1996	0.3	179.7	176	2.30	--	2364	<0.51	80.43
SDW 469-M01-11GN	3/21/1996	0.3	130.8	166	1.52	--	2299	<0.51	87.24
SDW 469-M01-12R	3/21/1996	0.2	110.0	142	0.77	--	994	<0.51	67.51
SDW 469-M01-12R-D	3/21/1996	0.2	121.4	155	0.84	--	1069	<0.51	73.67
SDW 469-M01-12R-X	3/21/1996	0.2	54.5	53	0.31	--	2132	<0.51	73.82
SDW 469-M01-13BU	3/21/1996	<0.2	41.2	61	0.49	--	610	<0.51	16.49
SDW 469-M01-14BK	3/21/1996	<0.2	24.0	147	0.71	--	518	<0.51	7.73
SDW 469-M01-15W	3/21/1996	<0.2	17.9	83	<0.20	--	227	<0.51	6.89
SDW 469-M01-01PT	5/15/1996	1.5	190.2	67	0.29	--	1004	<0.51	164.91
SDW 469-M01-02GNT	5/15/1996	0.7	212.9	148	0.36	--	1776	<0.51	145.25
SDW 469-M01-03RT	5/15/1996	0.2	273.6	133	0.42	--	1780	<0.51	118.31
SDW 469-M01-03RT-X	5/15/1996	<0.2	89.7	23	<0.20	--	3143	<0.51	118.46
SDW 469-M01-04BUT	5/15/1996	0.3	443.3	163	0.76	--	2490	<0.51	145.38
SDW 469-M01-05BKT	5/15/1996	0.3	364.4	202	1.07	--	3037	<0.51	125.29
SDW 469-M01-05BKT-D	5/15/1996	0.3	396.2	199	1.06	--	2994	<0.51	123.35
SDW 469-M01-06WT	5/15/1996	0.4	321.8	134	0.81	--	2542	<0.51	148.27
SDW 469-M01-06WT-X	5/15/1996	0.3	34.3	<1.65	<0.20	--	4348	<0.51	139.04
SDW 469-M01-07O	5/15/1996	0.5	540.0	91	0.42	--	2748	<0.51	204.91
SDW 469-M01-08GY	5/15/1996	0.3	330.1	243	1.60	--	2739	<0.51	146.14
SDW 469-M01-09Y	5/15/1996	0.3	133.2	122	1.42	--	1762	<0.51	138.95
SDW 469-M01-10P	5/15/1996	0.2	199.1	115	1.59	--	1414	<0.51	152.72
SDW 469-M01-11GN	5/15/1996	0.3	147.9	160	1.53	--	1384	<0.51	130.98

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Well or multilevel-sampler port	Date	Iron, dissolved (μM)	Potassium, dissolved (μM)	Magnesium, dissolved (μM)	Manganese, dissolved (μM)	Molybdenum, dissolved (μM)	Sodium, dissolved (μM)	Nickel, dissolved (μM)	Phosphorus, dissolved (μM)
SDW 469-M01-12R	5/15/1996	<0.2	100.5	74	0.44	--	801	<0.51	94.41
SDW 469-M01-12R-X	5/15/1996	<0.2	<10.2	<1.65	<0.20	--	1940	<0.51	91.03
SDW 469-M01-13BU	5/15/1996	<0.2	45.4	45	0.44	--	661	<0.51	17.08
SDW 469-M01-14BK	5/15/1996	<0.2	28.2	143	0.68	--	340	<0.51	8.20
SDW 469-M01-14BK-D	5/15/1996	<0.2	29.6	132	0.63	--	318	<0.51	7.71
SDW 469-M01-15W	5/15/1996	<0.2	32.4	101	<0.20	--	217	<0.51	6.52
SDW 469-M01-01PT	7/25/1996	0.4	212.2	160	0.46	--	1688	<0.51	131.89
SDW 469-M01-02GNT	7/25/1996	1.0	173.2	97	<0.20	--	940	<0.51	134.80
SDW 469-M01-03RT	7/25/1996	<0.2	171.5	77	0.28	--	1273	<0.51	139.01
SDW 469-M01-03RT-X	7/25/1996	<0.2	124.9	4	<0.20	--	1941	<0.51	133.15
SDW 469-M01-04BUT	7/25/1996	<0.2	248.0	100	0.44	--	1563	<0.51	126.40
SDW 469-M01-05BKT	7/25/1996	<0.2	226.5	117	0.55	--	1858	<0.51	133.78
SDW 469-M01-05BKT-D	7/25/1996	0.3	198.8	105	0.50	--	1691	<0.51	119.57
SDW 469-M01-06WT	7/25/1996	0.2	161.2	96	0.48	--	1774	<0.51	134.64
SDW 469-M01-06WT-X	7/25/1996	<0.2	77.4	<1.65	<0.20	--	2831	<0.51	135.69
SDW 469-M01-07O	7/25/1996	<0.2	321.4	55	0.25	--	1680	<0.51	132.10
SDW 469-M01-08GY	7/25/1996	0.4	209.9	104	0.87	--	1417	<0.51	143.25
SDW 469-M01-09Y	7/25/1996	<0.2	121.8	101	1.29	--	1151	<0.51	170.72
SDW 469-M01-10P	7/25/1996	0.3	248.4	81	1.64	--	502	<0.51	89.68
SDW 469-M01-11GN	7/25/1996	<0.2	85.1	90	1.02	--	660	<0.51	97.23
SDW 469-M01-12R	7/25/1996	<0.2	82.8	73	0.54	--	497	<0.51	52.35
SDW 469-M01-12R-X	7/25/1996	<0.2	<10.2	<1.65	<0.20	--	1559	<0.51	55.18
SDW 469-M01-13BU	7/25/1996	<0.2	36.7	45	0.58	--	447	<0.51	10.98
SDW 469-M01-14BK	7/25/1996	<0.2	<10.2	106	0.55	--	215	<0.51	4.94
SDW 469-M01-14BK-D	7/25/1996	<0.2	11.8	117	0.59	--	247	<0.51	7.79

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Well or multilevel-sampler port	Date	Iron, dissolved (µM)	Potassium, dissolved (µM)	Magnesium, dissolved (µM)	Manganese, dissolved (µM)	Molybdenum, dissolved (µM)	Sodium, dissolved (µM)	Nickel, dissolved (µM)	Phosphorus, dissolved (µM)
SDW 469-M01-15W	7/25/1996	<0.2	19.2	111	<0.20	--	188	<0.51	6.25
SDW 469-M01-01PT	11/6/1996	0.4	133.5	55	0.24	--	568	<0.51	110.28
SDW 469-M01-01PT-D	11/6/1996	0.3	123.8	49	<0.20	--	506	<0.51	101.45
SDW 469-M01-02GNT	11/6/1996	<0.2	273.1	234	0.36	--	1507	<0.51	104.72
SDW 469-M01-03RT	11/6/1996	0.3	128.7	56	0.21	--	560	<0.51	107.33
SDW 469-M01-03RT-X	11/6/1996	0.3	40.2	14	<0.20	--	1103	<0.51	103.65
SDW 469-M01-04BUT	11/6/1996	<0.2	202.9	109	0.41	--	938	<0.51	117.92
SDW 469-M01-05BKT	11/6/1996	<0.2	191.0	159	0.57	--	1197	<0.51	108.20
SDW 469-M01-06WT	11/6/1996	<0.2	219.4	257	0.83	--	1227	<0.51	84.82
SDW 469-M01-06WT-X	11/6/1996	<0.2	133.8	154	0.50	--	2175	<0.51	83.47
SDW 469-M01-07O	11/6/1996	0.2	235.0	76	0.33	--	1560	<0.51	123.32
SDW 469-M01-08GY	11/6/1996	<0.2	261.0	165	1.45	--	885	<0.51	112.44
SDW 469-M01-09Y	11/6/1996	<0.2	228.3	128	2.06	--	555	<0.51	92.92
SDW 469-M01-10P	11/6/1996	0.6	196.1	87	2.14	--	459	<0.51	69.01
SDW 469-M01-10P-D	11/6/1996	0.6	194.1	82	2.04	--	428	<0.51	66.03
SDW 469-M01-11GN	11/6/1996	<0.2	103.6	103	1.28	--	527	<0.51	70.24
SDW 469-M01-12R	11/6/1996	<0.2	65.6	61	0.53	--	620	<0.51	38.90
SDW 469-M01-12R-X	11/6/1996	<0.2	36.6	40	0.33	--	865	<0.51	38.93
SDW 469-M01-13BU	11/6/1996	<0.2	57.9	31	0.43	--	433	<0.51	13.00
SDW 469-M01-14BK	11/6/1996	0.2	<10.2	102	0.58	--	218	<0.51	5.87
SDW 469-M01-15W	11/6/1996	<0.2	20.4	138	0.61	--	247	<0.51	6.66
SDW 469-M01-01PT	2/3/1997	1.2	141.5	85	<0.20	--	1048	<0.51	154.62
SDW 469-M01-02GNT	2/3/1997	0.6	146.5	79	<0.20	--	611	<0.51	127.23
SDW 469-M01-03RT	2/3/1997	0.4	171.0	95	0.36	--	805	<0.51	106.17

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; µM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Iron, dissolved (µM)	Potassium, dissolved (µM)	Magnesium, dissolved (µM)	Manganese, dissolved (µM)	Molybdenum, dissolved (µM)	Sodium, dissolved (µM)	Nickel, dissolved (µM)	Phosphorus, dissolved (µM)
SDW 469-M01-03RT-X	2/3/1997	0.2	80.5	<1.65	<0.20	--	1804	<0.51	98.99
SDW 469-M01-04BUT	2/3/1997	0.3	146.0	67	0.22	--	863	<0.51	132.67
SDW 469-M01-05BKT	2/3/1997	0.2	182.5	128	0.44	--	1174	<0.51	109.84
SDW 469-M01-05BKT-D	2/3/1997	0.2	186.1	131	0.50	--	1213	<0.51	113.11
SDW 469-M01-06WT	2/3/1997	<0.2	210.0	149	0.47	--	1158	<0.51	118.84
SDW 469-M01-06WT-X	2/3/1997	<0.2	28.0	<1.65	<0.20	--	2760	<0.51	112.41
SDW 469-M01-07O	2/3/1997	0.3	265.5	166	0.63	--	1275	<0.51	95.05
SDW 469-M01-08GY	2/3/1997	<0.2	263.5	124	1.39	--	687	<0.51	93.55
SDW 469-M01-09Y	2/3/1997	<0.2	247.0	117	2.16	--	371	<0.51	88.89
SDW 469-M01-10P	2/3/1997	0.9	170.0	93	2.64	--	378	<0.51	71.40
SDW 469-M01-11GN	2/3/1997	0.3	133.5	95	1.40	--	641	<0.51	62.46
SDW 469-M01-12R	2/3/1997	0.2	57.5	75	0.69	--	635	<0.51	28.98
SDW 469-M01-12R-X	2/3/1997	<0.2	<10.2	<1.65	<0.20	--	1503	<0.51	28.60
SDW 469-M01-13BU	2/3/1997	<0.2	43.5	26	0.32	--	425	<0.51	13.37
SDW 469-M01-14BK	2/3/1997	<0.2	<10.2	108	0.47	--	237	<0.51	5.91
SDW 469-M01-14BK-D	2/3/1997	<0.2	16.8	110	0.51	--	243	<0.51	5.60
SDW 469-M01-15W	2/3/1997	0.5	17.0	131	<0.20	--	245	<0.51	5.30
SDW 469-M01-01PT	5/12/1997	1.4	117.3	53	<0.20	--	648	<0.51	179.09
SDW 469-M01-02GNT	5/12/1997	0.4	142.2	74	<0.20	--	475	<0.51	106.05
SDW 469-M01-03RT	5/12/1997	0.6	122.2	68	0.32	--	588	<0.51	107.33
SDW 469-M01-04BUT	5/12/1997	0.2	129.0	65	0.26	--	602	<0.51	104.58
SDW 469-M01-05BKT	5/12/1997	0.2	144.1	77	0.32	--	821	<0.51	110.81
SDW 469-M01-06WT	5/12/1997	<0.2	158.8	87	0.37	--	832	<0.51	111.23
SDW 469-M01-06WT-X	5/12/1997	<0.2	88.9	54	0.23	--	1221	<0.51	112.62
SDW 469-M01-07O	5/12/1997	1.2	206.2	96	0.47	--	912	<0.51	114.68

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Iron, dissolved (μM)	Potassium, dissolved (μM)	Magnesium, dissolved (μM)	Manganese, dissolved (μM)	Molybdenum, dissolved (μM)	Sodium, dissolved (μM)	Nickel, dissolved (μM)	Phosphorus, dissolved (μM)
SDW 469-M01-08GY	5/12/1997	0.2	196.3	100	1.31	--	586	<0.51	102.09
SDW 469-M01-09Y	5/12/1997	0.4	214.0	97	2.16	--	329	<0.51	88.16
SDW 469-M01-09Y-D	5/12/1997	0.4	205.8	91	2.05	--	309	<0.51	82.46
SDW 469-M01-10P	5/12/1997	1.2	171.5	90	3.03	--	356	<0.51	65.78
SDW 469-M01-11GN	5/12/1997	0.3	117.5	106	1.86	--	407	<0.51	52.38
SDW 469-M01-12R	5/12/1997	0.3	71.3	77	0.92	--	636	<0.51	27.95
SDW 469-M01-12R-X	5/12/1997	0.3	16.1	20	0.26	--	1213	<0.51	28.06
SDW 469-M01-13BU	5/12/1997	<0.2	44.9	34	0.46	--	357	<0.51	14.80
SDW 469-M01-14BK	5/12/1997	<0.2	14.0	119	0.49	--	227	<0.51	6.44
SDW 469-M01-15W	5/12/1997	<0.2	21.4	151	<0.20	--	261	<0.51	7.07
SDW 469-M01-01PT	8/5/1997	1.2	139.3	66	<0.20	--	619	<0.51	156.28
SDW 469-M01-01PT-D	8/5/1997	1.2	132.0	65	<0.20	--	626	<0.51	160.62
SDW 469-M01-02GNT	8/5/1997	<0.2	280.6	324	0.96	--	726	<0.51	45.59
SDW 469-M01-03RT	8/5/1997	<0.2	175.4	154	0.64	--	593	<0.51	93.28
SDW 469-M01-03RT-X	8/5/1997	<0.2	123.5	8	<0.20	--	1994	<0.51	94.90
SDW 469-M01-04BUT	8/5/1997	<0.2	135.4	62	0.25	--	489	<0.51	103.26
SDW 469-M01-05BKT	8/5/1997	<0.2	148.2	77	0.34	--	564	<0.51	99.27
SDW 469-M01-06WT	8/5/1997	<0.2	163.0	74	0.35	--	542	<0.51	94.71
SDW 469-M01-06WT-X	8/5/1997	<0.2	38.0	0	<0.20	--	1491	<0.51	91.37
SDW 469-M01-07O	8/5/1997	<0.2	215.9	91	0.46	--	747	<0.51	105.75
SDW 469-M01-08GY	8/5/1997	<0.2	179.3	81	1.24	--	551	<0.51	89.75
SDW 469-M01-09Y	8/5/1997	<0.2	172.4	80	1.22	--	543	<0.51	88.83
SDW 469-M01-10P	8/5/1997	0.8	239.1	113	2.91	--	411	<0.51	76.86
SDW 469-M01-10P-D	8/5/1997	0.7	220.0	112	2.87	--	412	<0.51	78.40
SDW 469-M01-11GN	8/5/1997	1.8	164.5	98	3.70	--	325	<0.51	57.99

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Iron, dissolved (μM)	Potassium, dissolved (μM)	Magnesium, dissolved (μM)	Manganese, dissolved (μM)	Molybdenum, dissolved (μM)	Sodium, dissolved (μM)	Nickel, dissolved (μM)	Phosphorus, dissolved (μM)
SDW 469-M01-12R	8/5/1997	0.4	104.7	102	2.20	--	448	<0.51	51.81
SDW 469-M01-12R-X	8/5/1997	<0.2	0.0	0	<0.20	--	1660	<0.51	52.16
SDW 469-M01-13BU	8/5/1997	<0.2	41.0	61	0.75	--	540	<0.51	11.24
SDW 469-M01-14BK	8/5/1997	<0.2	18.3	98	0.32	--	213	<0.51	6.64
SDW 469-M01-15W	8/5/1997	<0.2	26.2	160	<0.20	--	298	<0.51	7.34
SDW 469-M01-01PT	10/27/1997	0.9	154.0	78	<0.20	--	425	<0.51	133.68
SDW 469-M01-01PT-D	10/27/1997	0.9	149.7	79	<0.20	--	420	<0.51	137.19
SDW 469-M01-02GNT	10/27/1997	0.5	153.0	66	<0.20	--	332	<0.51	93.72
SDW 469-M01-03RT	10/27/1997	0.7	120.9	64	0.26	--	381	<0.51	126.84
SDW 469-M01-03RT-X	10/27/1997	<0.2	31.7	<1.65	<0.20	--	1127	<0.51	121.86
SDW 469-M01-04BUT	10/27/1997	<0.2	150.5	72	0.28	--	393	<0.51	87.14
SDW 469-M01-05BKT	10/27/1997	0.2	157.9	76	0.37	--	464	<0.51	82.00
SDW 469-M01-06WT	10/27/1997	<0.2	178.6	74	0.38	--	479	<0.51	76.05
SDW 469-M01-06WT-X	10/27/1997	<0.2	18.1	<1.65	<0.20	--	1450	<0.51	74.73
SDW 469-M01-07O	10/27/1997	<0.2	194.2	83	0.46	--	576	<0.51	102.01
SDW 469-M01-08GY	10/27/1997	0.5	178.6	87	1.54	--	422	<0.51	77.70
SDW 469-M01-09Y	10/27/1997	1.1	190.3	92	2.64	--	330	<0.51	72.28
SDW 469-M01-10P	10/27/1997	1.9	135.2	78	3.05	--	430	<0.51	58.71
SDW 469-M01-10P-D	10/27/1997	1.9	129.3	78	3.15	--	416	<0.51	58.47
SDW 469-M01-11GN	10/27/1997	0.5	165.1	52	1.33	--	520	<0.51	53.54
SDW 469-M01-12R	10/27/1997	0.4	71.1	55	0.71	--	556	<0.51	26.71
SDW 469-M01-12R-X	10/27/1997	<0.2	<10.2	<1.65	<0.20	--	1559	<0.51	25.99
SDW 469-M01-13BU	10/27/1997	<0.2	24.9	59	0.58	--	490	<0.51	13.57
SDW 469-M01-14BK	10/27/1997	<0.2	11.4	93	0.26	--	203	<0.51	6.80
SDW 469-M01-15W	10/27/1997	<0.2	23.1	153	<0.20	--	289	<0.51	5.71

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Iron, dissolved (μM)	Potassium, dissolved (μM)	Magnesium, dissolved (μM)	Manganese, dissolved (μM)	Molybdenum, dissolved (μM)	Sodium, dissolved (μM)	Nickel, dissolved (μM)	Phosphorus, dissolved (μM)
SDW 469-M01-01PT	5/7/1998	0.8	116.3	66	<0.20	--	265	<0.51	135.08
SDW 469-M01-02GNT	5/7/1998	<0.2	130.9	86	0.26	--	269	<0.51	66.08
SDW 469-M01-03RT	5/7/1998	<0.2	166.3	144	0.52	--	462	<0.51	80.17
SDW 469-M01-03RT-X	5/7/1998	<0.2	41.2	12	<0.20	--	1738	<0.51	81.33
SDW 469-M01-04BUT	5/7/1998	<0.2	139.4	90	0.35	--	436	<0.51	70.53
SDW 469-M01-05BKT	5/7/1998	<0.2	138.6	83	0.44	--	476	<0.51	68.55
SDW 469-M01-06WT	5/7/1998	<0.2	141.9	84	0.43	--	481	<0.51	63.23
SDW 469-M01-06WT-X	5/7/1998	<0.2	21.0	7	<0.20	--	1411	<0.51	63.35
SDW 469-M01-07O	5/7/1998	0.3	170.1	99	0.59	--	394	<0.51	77.77
SDW 469-M01-08GY	5/7/1998	1.3	143.2	87	1.92	--	323	<0.51	66.18
SDW 469-M01-08GY-D	5/7/1998	1.2	127.3	87	1.93	--	323	<0.51	65.76
SDW 469-M01-09Y	5/7/1998	2.1	202.9	78	2.60	--	343	<0.51	69.88
SDW 469-M01-10P	5/7/1998	3.6	153.7	71	3.12	--	506	<0.51	54.54
SDW 469-M01-11GN	5/7/1998	1.0	93.3	59	1.83	--	699	<0.51	46.73
SDW 469-M01-12R	5/7/1998	0.5	43.6	43	0.53	--	533	<0.51	27.86
SDW 469-M01-12R-X	5/7/1998	<0.2	17.9	8	<0.20	--	1011	<0.51	28.89
SDW 469-M01-13BU	5/7/1998	<0.2	15.9	58	0.27	--	364	<0.51	18.12
SDW 469-M01-14BK	5/7/1998	<0.2	14.9	93	<0.20	--	197	<0.51	5.88
SDW 469-M01-15W	5/7/1998	<0.2	31.3	148	<0.20	--	290	<0.51	7.22
SDW 469-M01-01PT	10/29/1998	0.7	149.7	87	<0.20	--	202	<0.51	122.30
SDW 469-M01-02GNT	10/29/1998	0.3	137.2	73	0.52	--	378	<0.51	65.85
SDW 469-M01-03RT	10/29/1998	0.5	142.2	73	0.27	--	318	<0.51	95.09
SDW 469-M01-03RT-X	10/29/1998	<0.2	22.6	3	<0.20	--	1254	<0.51	91.71
SDW 469-M01-04BUT	10/29/1998	<0.2	124.6	84	0.45	--	465	<0.51	56.82

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Well or multilevel-sampler port	Date	Iron, dissolved (μM)	Potassium, dissolved (μM)	Magnesium, dissolved (μM)	Manganese, dissolved (μM)	Molybdenum, dissolved (μM)	Sodium, dissolved (μM)	Nickel, dissolved (μM)	Phosphorus, dissolved (μM)
SDW 469-M01-05BKT	10/29/1998	<0.2	148.2	113	0.70	--	686	<0.51	52.39
SDW 469-M01-06WT	10/29/1998	<0.2	139.2	88	0.54	--	747	<0.51	52.57
SDW 469-M01-06WT-X	10/29/1998	<0.2	84.4	53	0.32	--	1175	<0.51	53.89
SDW 469-M01-07O	10/29/1998	0.5	188.4	95	0.72	--	530	<0.51	70.48
SDW 469-M01-08GY	10/29/1998	0.2	108.5	80	2.22	--	404	<0.51	53.32
SDW 469-M01-08GY-D	10/29/1998	0.2	114.5	86	2.34	--	434	<0.51	54.87
SDW 469-M01-09Y	10/29/1998	3.6	175.8	78	3.29	--	363	<0.51	65.28
SDW 469-M01-10P	10/29/1998	5.4	104.5	77	3.06	--	501	<0.51	52.34
SDW 469-M01-11GN	10/29/1998	1.7	52.2	71	2.14	--	703	<0.51	42.62
SDW 469-M01-12R	10/29/1998	1.7	33.2	108	1.10	--	804	<0.51	25.23
SDW 469-M01-12R-X	10/29/1998	<0.2	14.1	5	<0.20	--	1860	<0.51	26.19
SDW 469-M01-13BU	10/29/1998	<0.2	<10.2	57	0.30	--	349	<0.51	18.36
SDW 469-M01-14BK	10/29/1998	<0.2	<10.2	104	<0.20	--	211	<0.51	4.45
SDW 469-M01-15W	10/29/1998	<0.2	13.1	143	<0.20	--	270	<0.51	6.56
SDW 469-M01-01PT	7/1/1999	0.6	141.2	85	<0.20	--	208	<0.51	102.31
SDW 469-M01-02GNT	7/1/1999	0.2	122.5	73	0.45	--	202	<0.51	55.86
SDW 469-M01-03RT	7/1/1999	0.4	133.3	71	0.33	--	339	<0.51	72.15
SDW 469-M01-03RT-X	7/1/1999	<0.2	31.6	<1.65	<0.20	--	1245	<0.51	72.40
SDW 469-M01-04BUT	7/1/1999	<0.2	127.7	82	0.51	--	442	<0.51	51.13
SDW 469-M01-05BKT	7/1/1999	<0.2	129.1	64	0.45	--	583	<0.51	55.28
SDW 469-M01-05BKT-D	7/1/1999	<0.2	124.2	63	0.44	--	580	<0.51	55.05
SDW 469-M01-06WT	7/1/1999	0.2	101.0	56	0.36	--	589	<0.51	49.51
SDW 469-M01-06WT-X	7/1/1999	0.4	<10.2	<1.65	<0.20	--	1658	<0.51	52.93
SDW 469-M01-07O	7/1/1999	<0.2	151.7	61	0.57	--	601	<0.51	57.61
SDW 469-M01-08GY	7/1/1999	0.6	110.4	62	2.13	--	394	<0.51	39.83

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Well or multilevel-sampler port	Date	Iron, dissolved (μM)	Potassium, dissolved (μM)	Magnesium, dissolved (μM)	Manganese, dissolved (μM)	Molybdenum, dissolved (μM)	Sodium, dissolved (μM)	Nickel, dissolved (μM)	Phosphorus, dissolved (μM)
SDW 469-M01-09Y	7/1/1999	4.5	104.8	67	2.97	--	433	<0.51	61.49
SDW 469-M01-10P	7/1/1999	6.1	78.8	60	2.12	--	715	<0.51	51.22
SDW 469-M01-11GN	7/1/1999	2.6	41.3	62	1.85	--	781	<0.51	41.57
SDW 469-M01-12R	7/1/1999	1.7	26.7	102	0.74	--	740	<0.51	25.72
SDW 469-M01-13BU	7/1/1999	<0.2	15.6	108	0.90	--	457	<0.51	12.37
SDW 469-M01-14BK	7/1/1999	<0.2	21.9	129	0.20	--	232	<0.51	3.49
SDW 469-M01-15W	7/1/1999	<0.2	23.9	146	<0.20	--	264	<0.51	6.47
SDW 469-M01-01PT	5/24/2000	1.9	110.8	55	<0.20	<0.02	155	0.075	106.67
SDW 469-M01-01PT-D	5/24/2000	0.8	107.7	52	<0.20	<0.02	151	0.069	97.34
SDW 469-M01-02GNT	5/24/2000	0.3	125.5	72	0.69	<0.02	156	0.164	53.12
SDW 469-M01-03RT	5/24/2000	0.2	119.5	57	0.38	<0.02	223	0.079	60.06
SDW 469-M01-03RT-X	5/24/2000	0.1	129.5	27	<0.20	<0.02	884	<0.51	66.18
SDW 469-M01-04BUT	5/24/2000	<0.09	107.4	66	0.44	<0.02	347	0.087	49.43
SDW 469-M01-05BKT	5/24/2000	0.3	165.1	76	0.54	<0.02	562	0.093	56.91
SDW 469-M01-06WT	5/24/2000	0.2	124.0	62	0.43	<0.02	458	0.072	40.33
SDW 469-M01-06WT-X	5/24/2000	0.1	80.2	5	<0.20	<0.02	1306	<0.51	45.57
SDW 469-M01-07O	5/24/2000	0.3	132.6	60	0.61	<0.02	571	0.097	46.95
SDW 469-M01-08GY	5/24/2000	2.4	91.7	88	3.33	<0.02	584	0.182	32.93
SDW 469-M01-08GY-D	5/24/2000	2.5	95.3	90	3.41	<0.02	614	0.185	33.72
SDW 469-M01-09Y	5/24/2000	8.2	70.8	88	4.01	<0.02	499	0.156	48.41
SDW 469-M01-10P	5/24/2000	9.7	45.0	78	2.09	<0.02	587	0.104	58.66
SDW 469-M01-11GN	5/24/2000	3.7	25.8	62	1.55	<0.02	923	0.083	37.67
SDW 469-M01-12R	5/24/2000	1.7	16.3	91	0.50	<0.02	1021	0.071	24.59
SDW 469-M01-13BU	5/24/2000	<0.09	13.0	189	0.78	<0.02	799	0.050	9.09
SDW 469-M01-14BK	5/24/2000	<0.09	14.6	85	<0.20	<0.02	185	<0.05	3.45

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; µM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Iron, dissolved (µM)	Potassium, dissolved (µM)	Magnesium, dissolved (µM)	Manganese, dissolved (µM)	Molybdenum, dissolved (µM)	Sodium, dissolved (µM)	Nickel, dissolved (µM)	Phosphorus, dissolved (µM)
SDW 469-M01-15W	5/24/2000	<0.09	24.5	137	<0.20	<0.02	229	<0.05	4.41
SDW 469-M01-01PT	8/29/2001	0.7	119.1	55	0.08	<0.02	113	<0.05	104.49
SDW 469-M01-02GNT	8/29/2001	0.1	116.5	54	0.44	<0.02	168	<0.05	61.02
SDW 469-M01-03RT	8/29/2001	<0.09	81.8	82	0.54	<0.02	328	<0.05	44.74
SDW 469-M01-04BUT	8/29/2001	0.6	120.6	55	0.06	<0.02	111	<0.05	105.92
SDW 469-M01-05BKT	8/29/2001	0.2	91.7	59	0.41	<0.02	435	<0.05	37.52
SDW 469-M01-06WT	8/29/2001	0.2	97.0	54	0.40	<0.02	485	<0.05	33.48
SDW 469-M01-07O	8/29/2001	<0.09	99.2	62	0.87	<0.02	432	<0.05	28.09
SDW 469-M01-07O-D	8/29/2001	<0.09	100.0	62	0.87	<0.02	437	<0.05	28.65
SDW 469-M01-08GY	8/29/2001	<0.09	52.4	42	1.38	<0.02	659	<0.05	30.67
SDW 469-M01-09Y	8/29/2001	0.4	28.6	31	1.20	<0.02	872	<0.05	24.67
SDW 469-M01-10P	8/29/2001	14.9	34.9	96	1.88	<0.02	1148	<0.05	45.95
SDW 469-M01-11GN	8/29/2001	14.5	23.2	128	2.49	<0.02	962	<0.05	29.27
SDW 469-M01-12R	8/29/2001	<0.09	14.8	193	0.83	<0.02	632	<0.05	11.57
SDW 469-M01-13BU	8/29/2001	<0.09	9.9	170	0.66	<0.02	291	<0.05	7.71
SDW 469-M01-14BK	8/29/2001	<0.09	27.1	294	0.38	<0.02	362	<0.05	2.48
SDW 469-M01-15W	8/29/2001	<0.09	24.3	136	0.20	<0.02	229	<0.05	4.44
SDW 469-M01-02GNT	6/20/2002	0.1	102.3	59	0.42	<0.02	119	0.094	48.53
SDW 469-M01-03RT	6/20/2002	0.1	66.6	53	0.42	<0.02	222	0.069	41.05
SDW 469-M01-03RT-X	6/20/2002	0.4	133.4	<4.11	<0.20	<0.02	1023	0.052	44.79
SDW 469-M01-04BUT	6/20/2002	<0.09	80.5	67	0.58	<0.02	256	0.085	31.48
SDW 469-M01-05BKT	6/20/2002	0.1	103.4	74	0.64	<0.02	332	0.090	29.78
SDW 469-M01-06WT	6/20/2002	0.1	105.1	86	0.79	<0.02	340	0.105	23.07
SDW 469-M01-06WT-X	6/20/2002	0.5	144.9	<4.11	0.06	<0.02	1385	0.076	28.59

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; µM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Iron, dissolved (µM)	Potassium, dissolved (µM)	Magnesium, dissolved (µM)	Manganese, dissolved (µM)	Molybdenum, dissolved (µM)	Sodium, dissolved (µM)	Nickel, dissolved (µM)	Phosphorus, dissolved (µM)
SDW 469-M01-07O	6/20/2002	0.4	98.1	64	1.16	<0.02	285	0.126	26.22
SDW 469-M01-08GY	6/20/2002	0.8	45.6	56	1.94	<0.02	419	0.138	29.56
SDW 469-M01-09Y	6/20/2002	3.0	26.2	66	2.11	<0.02	633	0.104	35.75
SDW 469-M01-10P	6/20/2002	10.2	20.2	53	1.11	<0.02	796	0.065	54.12
SDW 469-M01-11GN	6/20/2002	10.1	14.8	66	1.29	<0.02	728	0.069	39.32
SDW 469-M01-11GN-D	6/20/2002	10.2	13.8	58	1.33	<0.02	665	0.074	40.19
SDW 469-M01-12R	6/20/2002	<0.09	9.9	52	0.25	<0.02	450	<0.05	21.35
SDW 469-M01-13BU	6/20/2002	<0.09	13.4	100	0.31	<0.02	379	<0.05	10.48
SDW 469-M01-14BK	6/20/2002	<0.09	17.6	91	0.14	<0.02	194	<0.05	6.82
SDW 469-M01-15W	6/20/2002	<0.09	21.7	149	<0.20	<0.02	191	<0.05	7.07
SDW 469-M01-01PT	6/3/2003	0.7	86.4	58	<0.20	--	87	<0.05	84.94
SDW 469-M01-02GNT	6/3/2003	0.2	90.9	57	0.36	--	90	0.090	88.11
SDW 469-M01-03RT	6/3/2003	0.1	51.2	50	0.57	--	168	0.083	45.46
SDW 469-M01-03RT-X	6/3/2003	0.1	14.4	23	0.24	--	714	<0.05	45.59
SDW 469-M01-04BUT	6/3/2003	<0.09	56.6	66	0.65	--	240	0.087	32.87
SDW 469-M01-05BKT	6/3/2003	0.1	65.2	58	0.54	--	344	0.075	33.38
SDW 469-M01-05BKT-D	6/3/2003	0.1	77.6	62	0.54	--	406	0.073	33.48
SDW 469-M01-06WT	6/3/2003	<0.09	67.9	62	0.63	--	367	0.097	24.46
SDW 469-M01-06WT-X	6/3/2003	0.1	16.0	21	0.22	--	980	<0.05	24.26
SDW 469-M01-07O	6/3/2003	0.7	70.0	52	1.10	--	355	0.109	26.98
SDW 469-M01-07O-D	6/3/2003	0.7	81.7	56	1.12	--	415	0.112	27.86
SDW 469-M01-08GY	6/3/2003	2.6	42.1	73	2.38	--	436	0.175	27.77
SDW 469-M01-09Y	6/3/2003	5.3	16.7	84	2.10	--	767	0.099	41.10
SDW 469-M01-10P	6/3/2003	20.1	15.2	96	1.66	--	1023	0.060	47.27
SDW 469-M01-10P-X	6/3/2003	5.5	<3.8	25	0.46	--	1516	<0.05	42.46

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; µM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Iron, dissolved (µM)	Potassium, dissolved (µM)	Magnesium, dissolved (µM)	Manganese, dissolved (µM)	Molybdenum, dissolved (µM)	Sodium, dissolved (µM)	Nickel, dissolved (µM)	Phosphorus, dissolved (µM)
SDW 469-M01-11GN	6/3/2003	20.4	11.1	98	1.45	--	913	0.072	23.19
SDW 469-M01-12R	6/3/2003	<0.09	14.8	136	0.64	--	660	0.065	14.87
SDW 469-M01-13BU	6/3/2003	<0.09	17.4	166	0.55	--	345	<0.05	7.28
SDW 469-M01-14BK	6/3/2003	<0.09	23.0	109	0.12	--	258	<0.05	5.16
SDW 469-M01-15W	6/3/2003	<0.09	22.6	123	<0.20	--	248	<0.05	4.83
SDW 469-M01-01PT	7/30/2004	0.5	113.8	66	<0.20	--	92	<0.05	89.37
SDW 469-M01-02GNT	7/30/2004	0.1	105.5	57	0.26	--	173	0.063	55.47
SDW 469-M01-03RT	7/30/2004	<0.09	64.3	52	0.95	--	318	0.094	41.26
SDW 469-M01-03RT-X	7/30/2004	0.3	5.3	<4.11	<0.20	--	1078	<0.05	40.81
SDW 469-M01-04BUT	7/30/2004	<0.09	57.0	65	0.74	--	172	0.087	27.97
SDW 469-M01-05BKT	7/30/2004	0.2	50.1	35	0.30	--	307	<0.05	31.05
SDW 469-M01-06WT	7/30/2004	0.1	49.8	32	0.36	--	345	0.087	24.57
SDW 469-M01-06WT-X	7/30/2004	0.1	5.8	<4.11	<0.20	--	796	<0.05	23.86
SDW 469-M01-07O	7/30/2004	1.1	65.3	55	1.08	--	442	0.116	24.05
SDW 469-M01-07O-D	7/30/2004	1.1	64.8	54	1.04	--	432	0.111	23.09
SDW 469-M01-08GY	7/30/2004	4.3	47.7	73	2.13	--	619	0.172	28.35
SDW 469-M01-09Y	7/30/2004	7.9	17.8	94	2.09	--	870	0.106	43.36
SDW 469-M01-10P	7/30/2004	39.9	16.3	204	2.55	--	1284	0.106	25.63
SDW 469-M01-10P-X	7/30/2004	2.7	<3.8	8	<0.20	--	2491	<0.05	26.43
SDW 469-M01-11GN	7/30/2004	<0.09	29.8	285	1.43	--	1319	0.128	5.35
SDW 469-M01-12R	7/30/2004	<0.09	24.8	246	18.73	--	1033	0.196	6.48
SDW 469-M01-13BU	7/30/2004	<0.09	30.0	324	1.05	--	671	0.097	4.47
SDW 469-M01-14BK	7/30/2004	<0.09	46.5	346	0.39	--	384	<0.05	2.82
SDW 469-M01-15W	7/30/2004	<0.09	25.4	149	<0.20	--	283	<0.05	4.14

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Iron, dissolved (μM)	Potassium, dissolved (μM)	Magnesium, dissolved (μM)	Manganese, dissolved (μM)	Molybdenum, dissolved (μM)	Sodium, dissolved (μM)	Nickel, dissolved (μM)	Phosphorus, dissolved (μM)
SDW 473-M01-01PT	9/28/1995	--	--	--	--	--	--	--	--
SDW 473-M01-02GNT	9/28/1995	<0.2	64.4	47	0.88	--	552	<0.51	<3.23
SDW 473-M01-03RT	9/28/1995	0.2	138.2	94	<0.20	--	1155	<0.51	<3.23
SDW 473-M01-04BUT	9/28/1995	<0.2	139.2	112	0.26	--	979	<0.51	<3.23
SDW 473-M01-05BKT	9/28/1995	0.3	150.6	199	0.68	--	1582	<0.51	<3.23
SDW 473-M01-06WT	9/28/1995	0.3	28.2	420	11.97	--	693	<0.51	<3.23
SDW 473-M01-07O	9/28/1995	<0.2	26.2	152	21.47	--	281	<0.51	<3.23
SDW 473-M01-08GY	9/28/1995	0.5	19.1	138	42.46	--	382	<0.51	<3.23
SDW 473-M01-09Y	9/28/1995	1.1	13.6	151	68.02	--	292	<0.51	<3.23
SDW 473-M01-10P	9/28/1995	0.3	10.6	124	52.11	--	358	<0.51	<3.23
SDW 473-M01-11GN	9/28/1995	0.3	26.0	98	58.91	--	519	<0.51	<3.23
SDW 473-M01-12R	9/28/1995	<0.2	24.4	131	1.32	--	521	<0.51	<3.23
SDW 473-M01-13BU	9/28/1995	<0.2	34.3	109	<0.20	--	231	<0.51	<3.23
SDW 473-M01-14BK	9/28/1995	<0.2	36.4	94	<0.20	--	182	<0.51	<3.23
SDW 473-M01-15W	9/28/1995	<0.2	31.5	130	<0.20	--	266	<0.51	<3.23
SDW 473-M01-01PT	11/30/1995	--	--	--	--	--	--	--	--
SDW 473-M01-02GNT	11/30/1995	<0.2	75.5	53	1.28	--	718	<0.51	3.23
SDW 473-M01-03RT	11/30/1995	<0.2	183.4	114	<0.20	--	1498	<0.51	3.78
SDW 473-M01-04BUT	11/30/1995	<0.2	159.0	116	0.29	--	912	<0.51	4.12
SDW 473-M01-05BKT	11/30/1995	0.3	150.7	130	0.46	--	1298	<0.51	4.21
SDW 473-M01-06WT	11/30/1995	0.3	41.6	360	6.07	--	1830	<0.51	<3.23
SDW 473-M01-07O	11/30/1995	<0.2	56.9	474	76.04	--	515	<0.51	<3.23
SDW 473-M01-08GY	11/30/1995	0.4	36.4	147	47.75	--	413	<0.51	3.77
SDW 473-M01-09Y	11/30/1995	1.1	28.4	131	61.64	--	386	<0.51	<3.23
SDW 473-M01-10P	11/30/1995	0.3	22.6	135	54.64	--	467	<0.51	<3.23

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Iron, dissolved (μM)	Potassium, dissolved (μM)	Magnesium, dissolved (μM)	Manganese, dissolved (μM)	Molybdenum, dissolved (μM)	Sodium, dissolved (μM)	Nickel, dissolved (μM)	Phosphorus, dissolved (μM)
SDW 473-M01-10P-D	11/30/1995	0.3	13.2	134	54.12	--	463	<0.51	<3.23
SDW 473-M01-11GN	11/30/1995	<0.2	24.8	82	49.64	--	579	<0.51	<3.23
SDW 473-M01-12R	11/30/1995	<0.2	29.3	121	0.94	--	512	<0.51	<3.23
SDW 473-M01-12R-D	11/30/1995	<0.2	28.7	120	0.91	--	508	<0.51	<3.23
SDW 473-M01-13BU	11/30/1995	<0.2	34.2	106	<0.20	--	229	<0.51	<3.23
SDW 473-M01-14BK	11/30/1995	<0.2	27.8	94	<0.20	--	206	<0.51	<3.23
SDW 473-M01-15W	11/30/1995	<0.2	39.7	132	<0.20	--	291	<0.51	<3.23
SDW 473-M01-01PT	1/24/1996	--	--	--	--	--	--	--	--
SDW 473-M01-02GNT	1/24/1996	0.2	102.1	92	0.89	--	1291	<0.51	<3.23
SDW 473-M01-03RT	1/24/1996	0.3	218.5	114	<0.20	--	1625	<0.51	3.50
SDW 473-M01-04BUT	1/24/1996	0.3	179.6	109	0.23	--	1564	<0.51	3.60
SDW 473-M01-05BKT	1/24/1996	0.3	147.7	118	0.40	--	1437	<0.51	3.57
SDW 473-M01-05BKT-D	1/24/1996	0.2	128.7	107	0.37	--	1466	<0.51	<3.23
SDW 473-M01-06WT	1/24/1996	<0.2	90.5	179	2.02	--	829	<0.51	<3.23
SDW 473-M01-07O	1/24/1996	<0.2	34.0	194	33.36	--	267	<0.51	<3.23
SDW 473-M01-08GY	1/24/1996	0.4	29.9	182	60.12	--	303	<0.51	3.66
SDW 473-M01-09Y	1/24/1996	1.4	25.0	168	82.41	--	357	<0.51	<3.23
SDW 473-M01-10P	1/24/1996	0.3	24.8	140	50.68	--	525	<0.51	<3.23
SDW 473-M01-11GN	1/24/1996	<0.2	23.9	82	48.63	--	552	<0.51	<3.23
SDW 473-M01-12R	1/24/1996	<0.2	35.5	136	0.94	--	411	<0.51	<3.23
SDW 473-M01-13BU	1/24/1996	<0.2	36.0	105	<0.20	--	192	<0.51	<3.23
SDW 473-M01-14BK	1/24/1996	<0.2	34.8	101	0.90	--	227	<0.51	<3.23
SDW 473-M01-14BK-D	1/24/1996	<0.2	33.7	93	0.93	--	241	<0.51	<3.23
SDW 473-M01-15W	1/24/1996	<0.2	48.7	137	1.88	--	337	<0.51	<3.23

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Well or multilevel-sampler port	Date	Iron, dissolved (μM)	Potassium, dissolved (μM)	Magnesium, dissolved (μM)	Manganese, dissolved (μM)	Molybdenum, dissolved (μM)	Sodium, dissolved (μM)	Nickel, dissolved (μM)	Phosphorus, dissolved (μM)
SDW 473-M01-01PT	3/20/1996	--	--	--	--	--	--	--	--
SDW 473-M01-02GNT	3/20/1996	<0.2	66.8	58	0.83	--	613	<0.51	<3.23
SDW 473-M01-03RT	3/20/1996	<0.2	214.8	124	<0.20	--	1705	<0.51	<3.23
SDW 473-M01-04BUT	3/20/1996	0.3	211.5	149	0.26	--	2071	<0.51	4.01
SDW 473-M01-05BKT	3/20/1996	0.2	146.7	176	0.56	--	1862	<0.51	<3.23
SDW 473-M01-06WT	3/20/1996	<0.2	75.0	163	2.69	--	925	<0.51	<3.23
SDW 473-M01-06WT-D	3/20/1996	<0.2	79.1	164	2.49	--	900	<0.51	<3.23
SDW 473-M01-07O	3/20/1996	<0.2	20.0	173	32.59	--	248	<0.51	<3.23
SDW 473-M01-08GY	3/20/1996	0.5	22.4	169	59.40	--	332	<0.51	3.86
SDW 473-M01-09Y	3/20/1996	1.5	<10.2	159	81.97	--	426	<0.51	<3.23
SDW 473-M01-10P	3/20/1996	0.3	<10.2	132	45.72	--	542	<0.51	<3.23
SDW 473-M01-11GN	3/20/1996	<0.2	16.3	73	41.79	--	490	<0.51	<3.23
SDW 473-M01-12R	3/20/1996	<0.2	27.7	128	0.40	--	297	<0.51	<3.23
SDW 473-M01-13BU	3/20/1996	<0.2	24.5	90	<0.20	--	175	<0.51	<3.23
SDW 473-M01-14BK	3/20/1996	<0.2	23.6	88	0.37	--	196	<0.51	<3.23
SDW 473-M01-15W	3/20/1996	<0.2	28.9	118	0.82	--	290	<0.51	<3.23
SDW 473-M01-15W-D	3/20/1996	<0.2	38.1	130	0.93	--	324	<0.51	<3.23
SDW 473-M01-01PT	5/16/1996	<0.2	41.3	73	2.37	--	453	<0.51	8.12
SDW 473-M01-02GNT	5/16/1996	<0.2	80.6	46	0.85	--	691	<0.51	<3.23
SDW 473-M01-03RT	5/16/1996	<0.2	217.9	125	0.26	--	1698	<0.51	3.79
SDW 473-M01-04BUT	5/16/1996	<0.2	154.0	89	<0.20	--	1290	<0.51	4.35
SDW 473-M01-05BKT	5/16/1996	<0.2	110.5	79	0.27	--	995	<0.51	3.64
SDW 473-M01-06WT	5/16/1996	<0.2	64.5	167	3.40	--	755	<0.51	<3.23
SDW 473-M01-07O	5/16/1996	<0.2	31.3	208	43.81	--	366	<0.51	<3.23
SDW 473-M01-08GY	5/16/1996	0.4	26.6	170	60.79	--	332	<0.51	<3.23

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; µM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Iron, dissolved (µM)	Potassium, dissolved (µM)	Magnesium, dissolved (µM)	Manganese, dissolved (µM)	Molybdenum, dissolved (µM)	Sodium, dissolved (µM)	Nickel, dissolved (µM)	Phosphorus, dissolved (µM)
SDW 473-M01-08GY-D	5/16/1996	0.5	27.6	177	65.44	--	341	<0.51	4.08
SDW 473-M01-09Y	5/16/1996	1.6	19.1	171	89.74	--	479	<0.51	<3.23
SDW 473-M01-10P	5/16/1996	0.3	12.5	155	51.09	--	575	<0.51	<3.23
SDW 473-M01-11GN	5/16/1996	<0.2	19.1	81	45.08	--	570	<0.51	<3.23
SDW 473-M01-12R	5/16/1996	<0.2	26.3	170	0.33	--	353	<0.51	<3.23
SDW 473-M01-13BU	5/16/1996	<0.2	23.0	102	<0.20	--	212	<0.51	<3.23
SDW 473-M01-14BK	5/16/1996	<0.2	27.7	96	0.38	--	231	<0.51	<3.23
SDW 473-M01-15W	5/16/1996	<0.2	31.6	135	0.58	--	331	<0.51	<3.23
SDW 473-M01-01PT	7/26/1996	<0.2	39.6	48	1.57	--	455	<0.51	4.01
SDW 473-M01-02GNT	7/26/1996	<0.2	70.2	38	0.38	--	338	<0.51	<3.23
SDW 473-M01-03RT	7/26/1996	<0.2	134.4	59	<0.20	--	834	<0.51	3.31
SDW 473-M01-04BUT	7/26/1996	<0.2	99.0	49	<0.20	--	698	<0.51	4.89
SDW 473-M01-05BKT	7/26/1996	<0.2	95.4	70	0.21	--	653	<0.51	<3.23
SDW 473-M01-06WT	7/26/1996	<0.2	63.6	238	5.42	--	641	<0.51	<3.23
SDW 473-M01-07O	7/26/1996	<0.2	18.0	176	44.05	--	308	<0.51	<3.23
SDW 473-M01-08GY	7/26/1996	0.4	24.0	165	63.51	--	259	<0.51	<3.23
SDW 473-M01-08GY-D	7/26/1996	1.3	21.7	183	69.51	--	300	<0.51	<3.23
SDW 473-M01-09Y	7/26/1996	1.5	16.8	151	87.37	--	425	<0.51	<3.23
SDW 473-M01-10P	7/26/1996	0.3	12.6	204	68.52	--	657	<0.51	<3.23
SDW 473-M01-11GN	7/26/1996	<0.2	13.2	96	52.24	--	613	<0.51	<3.23
SDW 473-M01-12R	7/26/1996	<0.2	28.2	150	0.72	--	340	<0.51	<3.23
SDW 473-M01-13BU	7/26/1996	<0.2	23.4	102	<0.20	--	194	<0.51	<3.23
SDW 473-M01-14BK	7/26/1996	<0.2	24.0	95	0.73	--	203	<0.51	<3.23
SDW 473-M01-15W	7/26/1996	<0.2	28.2	132	0.68	--	284	<0.51	<3.23

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Iron, dissolved (μM)	Potassium, dissolved (μM)	Magnesium, dissolved (μM)	Manganese, dissolved (μM)	Molybdenum, dissolved (μM)	Sodium, dissolved (μM)	Nickel, dissolved (μM)	Phosphorus, dissolved (μM)
SDW 473-M01-01PT	11/5/1996	<0.2	21.3	34	0.97	--	306	<0.51	5.60
SDW 473-M01-02GNT	11/5/1996	<0.2	47.5	45	1.51	--	379	<0.51	<3.23
SDW 473-M01-03RT	11/5/1996	<0.2	118.1	62	<0.20	--	619	<0.51	3.86
SDW 473-M01-04BUT	11/5/1996	<0.2	117.2	59	<0.20	--	451	<0.51	4.81
SDW 473-M01-04BUT-D	11/5/1996	<0.2	134.2	57	<0.20	--	423	<0.51	4.85
SDW 473-M01-05BKT	11/5/1996	<0.2	91.2	54	<0.20	--	510	<0.51	<3.23
SDW 473-M01-06WT	11/5/1996	<0.2	45.5	103	1.50	--	516	<0.51	<3.23
SDW 473-M01-07O	11/5/1996	<0.2	25.1	190	51.92	--	359	<0.51	<3.23
SDW 473-M01-08GY	11/5/1996	0.3	16.2	124	48.95	--	616	<0.51	4.35
SDW 473-M01-09Y	11/7/1996	1.5	19.2	124	73.89	--	702	<0.51	<3.23
SDW 473-M01-10P	11/7/1996	0.3	<10.2	176	50.76	--	748	<0.51	<3.23
SDW 473-M01-11GN	11/7/1996	<0.2	14.8	106	50.93	--	643	<0.51	<3.23
SDW 473-M01-12R	11/7/1996	<0.2	25.1	107	0.65	--	307	<0.51	<3.23
SDW 473-M01-13BU	11/7/1996	<0.2	19.5	88	<0.20	--	187	<0.51	<3.23
SDW 473-M01-13BU-D	11/7/1996	<0.2	14.3	81	<0.20	--	178	<0.51	<3.23
SDW 473-M01-14BK	11/7/1996	<0.2	26.6	110	0.52	--	232	<0.51	<3.23
SDW 473-M01-15W	11/7/1996	<0.2	23.0	126	0.58	--	303	<0.51	<3.23
SDW 473-M01-01PT	2/18/1997	<0.2	29.3	46	3.16	--	302	<0.51	3.30
SDW 473-M01-02GNT	2/18/1997	<0.2	63.8	38	1.39	--	262	<0.51	<3.23
SDW 473-M01-03RT	2/18/1997	<0.2	151.2	58	<0.20	--	383	<0.51	3.61
SDW 473-M01-04BUT	2/18/1997	0.5	148.4	66	<0.20	--	329	<0.51	5.19
SDW 473-M01-05BKT	2/18/1997	<0.2	143.7	70	0.22	--	318	<0.51	4.07
SDW 473-M01-06WT	2/18/1997	<0.2	40.2	169	4.38	--	323	<0.51	<3.23
SDW 473-M01-07O	2/18/1997	0.3	26.0	182	57.90	--	338	<0.51	<3.23
SDW 473-M01-08GY	2/18/1997	0.4	26.0	129	53.19	--	528	<0.51	4.04

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Iron, dissolved (μM)	Potassium, dissolved (μM)	Magnesium, dissolved (μM)	Manganese, dissolved (μM)	Molybdenum, dissolved (μM)	Sodium, dissolved (μM)	Nickel, dissolved (μM)	Phosphorus, dissolved (μM)
SDW 473-M01-08GY-D	2/18/1997	0.3	23.9	124	51.69	--	528	<0.51	<3.23
SDW 473-M01-09Y	2/18/1997	1.1	18.4	76	47.53	--	699	<0.51	<3.23
SDW 473-M01-10P	2/18/1997	0.2	19.8	108	30.47	--	594	<0.51	<3.23
SDW 473-M01-11GN	2/18/1997	<0.2	18.0	72	33.21	--	497	<0.51	<3.23
SDW 473-M01-12R	2/18/1997	<0.2	20.8	83	<0.20	--	255	<0.51	<3.23
SDW 473-M01-13BU	2/18/1997	<0.2	25.5	88	<0.20	--	184	<0.51	<3.23
SDW 473-M01-14BK	2/18/1997	<0.2	29.8	113	0.51	--	228	<0.51	<3.23
SDW 473-M01-15W	2/18/1997	<0.2	28.4	125	0.24	--	308	<0.51	<3.23
SDW 473-M01-01PT	5/14/1997	0.2	23.1	44	2.57	--	214	<0.51	3.27
SDW 473-M01-02GNT	5/14/1997	<0.2	67.6	40	1.53	--	377	<0.51	<3.23
SDW 473-M01-03RT	5/14/1997	<0.2	158.3	67	<0.20	--	426	<0.51	3.46
SDW 473-M01-03RT-D	5/14/1997	<0.2	164.7	66	<0.20	--	426	<0.51	3.36
SDW 473-M01-04BUT	5/14/1997	<0.2	139.8	76	<0.20	--	415	<0.51	4.25
SDW 473-M01-05BKT	5/14/1997	<0.2	112.2	88	0.54	--	322	<0.51	<3.23
SDW 473-M01-06WT	5/14/1997	<0.2	25.2	174	6.72	--	260	<0.51	<3.23
SDW 473-M01-07O	5/14/1997	0.3	19.0	180	59.59	--	375	<0.51	<3.23
SDW 473-M01-08GY	5/14/1997	0.5	22.7	153	64.51	--	506	<0.51	3.77
SDW 473-M01-09Y	5/14/1997	1.8	<10.2	117	75.54	--	539	<0.51	<3.23
SDW 473-M01-10P	5/14/1997	<0.2	<10.2	76	20.94	--	449	<0.51	<3.23
SDW 473-M01-11GN	5/14/1997	<0.2	<10.2	49	21.15	--	384	<0.51	<3.23
SDW 473-M01-12R	5/14/1997	<0.2	21.0	76	<0.20	--	242	<0.51	<3.23
SDW 473-M01-12R-D	5/14/1997	<0.2	28.6	74	<0.20	--	241	<0.51	<3.23
SDW 473-M01-13BU	5/14/1997	<0.2	21.4	89	<0.20	--	181	<0.51	<3.23
SDW 473-M01-14BK	5/14/1997	<0.2	16.1	105	<0.20	--	211	<0.51	<3.23
SDW 473-M01-15W	5/14/1997	<0.2	27.2	115	<0.20	--	285	<0.51	<3.23

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Iron, dissolved (µM)	Potassium, dissolved (µM)	Magnesium, dissolved (µM)	Manganese, dissolved (µM)	Molybdenum, dissolved (µM)	Sodium, dissolved (µM)	Nickel, dissolved (µM)	Phosphorus, dissolved (µM)
SDW 473-M01-01PT	8/14/1997	<0.2	29.6	32	2.87	--	217	<0.51	<3.23
SDW 473-M01-02GNT	8/14/1997	<0.2	78.6	40	0.61	--	488	<0.51	<3.23
SDW 473-M01-03RT	8/14/1997	<0.2	142.8	60	<0.20	--	537	<0.51	<3.23
SDW 473-M01-04BUT	8/14/1997	<0.2	126.5	59	<0.20	--	651	<0.51	3.77
SDW 473-M01-04BUT-D	8/14/1997	<0.2	110.5	58	<0.20	--	637	<0.51	5.95
SDW 473-M01-05BKT	8/14/1997	<0.2	79.5	60	0.32	--	670	<0.51	3.45
SDW 473-M01-06WT	8/14/1997	<0.2	32.1	160	11.00	--	324	<0.51	<3.23
SDW 473-M01-07O	8/14/1997	<0.2	31.6	176	62.24	--	306	<0.51	<3.23
SDW 473-M01-08GY	8/14/1997	0.4	33.1	217	95.11	--	444	<0.51	<3.23
SDW 473-M01-09Y	8/14/1997	2.7	23.7	168	111.45	--	586	<0.51	<3.23
SDW 473-M01-10P	8/14/1997	<0.2	12.4	114	31.96	--	570	<0.51	<3.23
SDW 473-M01-11GN	8/14/1997	<0.2	19.8	59	25.36	--	446	<0.51	<3.23
SDW 473-M01-12R	8/14/1997	<0.2	28.2	76	<0.20	--	237	<0.51	<3.23
SDW 473-M01-13BU	8/14/1997	<0.2	24.2	87	<0.20	--	194	<0.51	<3.23
SDW 473-M01-13BU-D	8/14/1997	<0.2	26.8	87	<0.20	--	191	<0.51	<3.23
SDW 473-M01-14BK	8/14/1997	<0.2	27.2	111	<0.20	--	243	<0.51	<3.23
SDW 473-M01-15W	8/14/1997	<0.2	28.2	117	<0.20	--	308	<0.51	<3.23
SDW 473-M01-01PT	11/3/1997	<0.2	21.0	36	1.95	--	175	<0.51	<3.23
SDW 473-M01-02GNT	11/3/1997	<0.2	61.9	37	1.60	--	581	<0.51	<3.23
SDW 473-M01-03RT	11/3/1997	<0.2	113.8	60	<0.20	--	582	<0.51	<3.23
SDW 473-M01-04BUT	11/3/1997	<0.2	98.9	43	<0.20	--	586	<0.51	4.59
SDW 473-M01-04BUT-D	11/3/1997	<0.2	104.9	45	<0.20	--	567	<0.51	4.74
SDW 473-M01-05BKT	11/3/1997	<0.2	56.6	51	0.34	--	597	<0.51	<3.23
SDW 473-M01-06WT	11/3/1997	<0.2	34.5	134	9.39	--	416	<0.51	<3.23

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Iron, dissolved (μM)	Potassium, dissolved (μM)	Magnesium, dissolved (μM)	Manganese, dissolved (μM)	Molybdenum, dissolved (μM)	Sodium, dissolved (μM)	Nickel, dissolved (μM)	Phosphorus, dissolved (μM)
SDW 473-M01-07O	11/3/1997	<0.2	23.8	156	64.41	--	394	<0.51	<3.23
SDW 473-M01-08GY	11/3/1997	0.5	32.7	135	64.24	--	526	<0.51	<3.23
SDW 473-M01-09Y	11/3/1997	1.9	23.1	90	62.60	--	689	<0.51	<3.23
SDW 473-M01-10P	11/3/1997	0.2	13.2	170	46.56	--	730	<0.51	<3.23
SDW 473-M01-11GN	11/3/1997	<0.2	16.7	52	21.42	--	412	<0.51	<3.23
SDW 473-M01-12R	11/3/1997	<0.2	29.9	71	<0.20	--	199	<0.51	<3.23
SDW 473-M01-13BU	11/3/1997	<0.2	29.9	83	<0.20	--	179	<0.51	<3.23
SDW 473-M01-13BU-D	11/3/1997	<0.2	23.6	94	<0.20	--	192	<0.51	<3.23
SDW 473-M01-14BK	11/3/1997	<0.2	24.9	104	<0.20	--	217	<0.51	<3.23
SDW 473-M01-15W	11/3/1997	<0.2	27.7	116	<0.20	--	285	<0.51	<3.23
SDW 473-M01-01PT	5/12/1998	<0.2	21.5	46	3.03	--	331	<0.51	<3.23
SDW 473-M01-02GNT	5/12/1998	<0.2	44.6	47	1.82	--	323	<0.51	<3.23
SDW 473-M01-02GNT-D	5/12/1998	<0.2	39.7	47	1.79	--	321	<0.51	<3.23
SDW 473-M01-03RT	5/12/1998	<0.2	137.2	137	<0.20	--	810	<0.51	<3.23
SDW 473-M01-04BUT	5/12/1998	<0.2	109.7	91	<0.20	--	810	<0.51	<3.23
SDW 473-M01-05BKT	5/12/1998	<0.2	68.1	56	0.36	--	716	<0.51	<3.23
SDW 473-M01-06WT	5/12/1998	<0.2	29.0	165	8.09	--	389	<0.51	<3.23
SDW 473-M01-07O	5/12/1998	0.3	20.8	132	61.68	--	459	<0.51	3.51
SDW 473-M01-08GY	5/12/1998	0.7	26.5	97	52.90	--	712	<0.51	4.47
SDW 473-M01-09Y	5/12/1998	1.8	16.0	70	47.34	--	810	<0.51	<3.23
SDW 473-M01-10P	5/12/1998	0.2	<10.2	166	39.32	--	761	<0.51	<3.23
SDW 473-M01-11GN	5/12/1998	<0.2	<10.2	82	29.73	--	497	<0.51	<3.23
SDW 473-M01-11GN-D	5/12/1998	<0.2	11.8	85	30.20	--	511	<0.51	<3.23
SDW 473-M01-12R	5/12/1998	<0.2	23.0	79	<0.20	--	192	<0.51	<3.23
SDW 473-M01-13BU	5/12/1998	<0.2	17.8	92	<0.20	--	191	<0.51	<3.23

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Iron, dissolved (µM)	Potassium, dissolved (µM)	Magnesium, dissolved (µM)	Manganese, dissolved (µM)	Molybdenum, dissolved (µM)	Sodium, dissolved (µM)	Nickel, dissolved (µM)	Phosphorus, dissolved (µM)
SDW 473-M01-14BK	5/12/1998	<0.2	20.5	118	<0.20	--	238	<0.51	<3.23
SDW 473-M01-15W	5/12/1998	<0.2	19.3	123	<0.20	--	294	<0.51	<3.23
SDW 473-M01-01PT	10/30/1998	<0.2	26.1	35	2.47	--	160	<0.51	<3.23
SDW 473-M01-02GNT	10/30/1998	<0.2	60.1	57	3.49	--	507	<0.51	<3.23
SDW 473-M01-03RT	10/30/1998	<0.2	107.4	112	<0.20	--	709	<0.51	3.80
SDW 473-M01-04BUT	10/30/1998	<0.2	125.2	196	0.39	--	675	<0.51	4.17
SDW 473-M01-05BKT	10/30/1998	<0.2	83.8	319	1.51	--	649	<0.51	5.04
SDW 473-M01-05BKT-D	10/30/1998	<0.2	94.6	313	1.44	--	640	<0.51	3.47
SDW 473-M01-06WT	10/30/1998	<0.2	35.5	153	14.75	--	659	<0.51	<3.23
SDW 473-M01-07O	10/30/1998	<0.2	29.6	73	1.94	--	358	<0.51	12.77
SDW 473-M01-08GY	10/30/1998	0.6	16.3	96	58.77	--	657	<0.51	<3.23
SDW 473-M01-09Y	10/30/1998	0.8	<10.2	41	27.94	--	806	<0.51	<3.23
SDW 473-M01-10P	10/30/1998	<0.2	50.3	250	2.95	--	1255	<0.51	6.29
SDW 473-M01-11GN	10/30/1998	<0.2	11.8	90	29.06	--	420	<0.51	<3.23
SDW 473-M01-12R	10/30/1998	<0.2	27.1	90	<0.20	--	223	<0.51	<3.23
SDW 473-M01-13BU	10/30/1998	<0.2	23.2	95	<0.20	--	203	<0.51	<3.23
SDW 473-M01-14BK	10/30/1998	<0.2	23.2	110	<0.20	--	228	<0.51	<3.23
SDW 473-M01-14BK-D	10/30/1998	<0.2	31.5	114	<0.20	--	233	<0.51	<3.23
SDW 473-M01-15W	10/30/1998	<0.2	21.2	131	<0.20	--	307	<0.51	<3.23
SDW 473-M01-01PT	6/28/1999	<0.2	26.0	33	2.48	--	210	<0.51	<3.23
SDW 473-M01-01PT-X	6/28/1999	<0.2	<10.2	<1.65	<0.20	--	952	<0.51	<3.23
SDW 473-M01-02GNT	6/28/1999	<0.2	48.6	45	0.52	--	247	<0.51	<3.23
SDW 473-M01-02GNT-D	6/28/1999	<0.2	52.4	47	0.56	--	257	<0.51	<3.23
SDW 473-M01-02GNT-X	6/28/1999	<0.2	<10.2	<1.65	<0.20	--	1374	<0.51	<3.23

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Iron, dissolved (μM)	Potassium, dissolved (μM)	Magnesium, dissolved (μM)	Manganese, dissolved (μM)	Molybdenum, dissolved (μM)	Sodium, dissolved (μM)	Nickel, dissolved (μM)	Phosphorus, dissolved (μM)
SDW 473-M01-02GNT-X-D	6/28/1999	<0.2	<10.2	<1.65	<0.20	--	1186	<0.51	<3.23
SDW 473-M01-03RT	6/28/1999	<0.2	96.1	46	0.48	--	598	<0.51	3.70
SDW 473-M01-04BUT	6/28/1999	<0.2	81.2	56	<0.04	--	719	<0.51	4.90
SDW 473-M01-05BKT	6/28/1999	<0.2	48.2	78	0.45	--	598	<0.51	3.57
SDW 473-M01-06WT	6/28/1999	<0.2	50.7	89	9.92	--	520	<0.51	3.25
SDW 473-M01-07O	6/28/1999	<0.2	21.2	101	73.19	--	666	<0.51	3.93
SDW 473-M01-08GY	6/28/1999	0.5	14.6	58	42.16	--	617	<0.51	3.39
SDW 473-M01-08GY-D	6/28/1999	0.5	16.0	54	39.57	--	590	<0.51	3.39
SDW 473-M01-09Y	6/28/1999	0.7	16.0	37	23.41	--	558	<0.51	<3.23
SDW 473-M01-10P	6/28/1999	<0.2	12.5	63	13.84	--	507	<0.51	<3.23
SDW 473-M01-11GN	6/28/1999	<0.2	<10.2	56	16.24	--	262	<0.51	<3.23
SDW 473-M01-12R	6/28/1999	<0.2	26.0	99	<0.20	--	245	<0.51	<3.23
SDW 473-M01-13BU	6/28/1999	<0.2	28.5	93	0.20	--	212	<0.51	<3.23
SDW 473-M01-14BK	6/28/1999	<0.2	20.1	125	<0.20	--	253	<0.51	<3.23
SDW 473-M01-15W	6/28/1999	<0.2	24.3	122	<0.20	--	276	<0.51	<3.23
SDW 473-M01-01PT	6/13/2000	<0.09	31.0	35	1.63	<0.02	273	0.065	<2.4
SDW 473-M01-01PT-X	6/13/2000	<0.09	<3.8	<4.11	<0.04	<0.02	916	<0.05	<2.4
SDW 473-M01-02GNT-X	6/13/2000	<0.09	<3.8	<4.11	<0.04	<0.02	1465	<0.05	<2.4
SDW 473-M01-02GNT	6/13/2000	<0.09	56.1	55	0.44	<0.02	638	<0.05	<2.4
SDW 473-M01-02GNT-D	6/13/2000	<0.09	54.3	54	0.45	<0.02	640	<0.05	<2.4
SDW 473-M01-03RT	6/13/2000	<0.09	90.1	79	0.07	<0.02	808	<0.05	3.17
SDW 473-M01-04BUT	6/13/2000	<0.09	64.2	72	0.12	<0.02	720	<0.05	2.76
SDW 473-M01-05BKT	6/13/2000	<0.09	58.9	94	0.38	<0.02	823	<0.05	2.86
SDW 473-M01-06WT	6/13/2000	<0.09	29.8	186	15.64	<0.02	579	<0.05	<2.4
SDW 473-M01-07O	6/13/2000	<0.09	16.9	91	70.07	<0.02	1057	<0.05	<2.4

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Iron, dissolved (μM)	Potassium, dissolved (μM)	Magnesium, dissolved (μM)	Manganese, dissolved (μM)	Molybdenum, dissolved (μM)	Sodium, dissolved (μM)	Nickel, dissolved (μM)	Phosphorus, dissolved (μM)
SDW 473-M01-08GY	6/13/2000	1.6	14.1	116	86.42	<0.02	1066	<0.05	<2.4
SDW 473-M01-09Y	6/13/2000	1.3	9.2	67	34.72	<0.02	762	<0.05	<2.4
SDW 473-M01-10P	6/13/2000	0.1	<3.8	27	6.21	<0.02	318	<0.05	<2.4
SDW 473-M01-11GN	6/13/2000	<0.09	6.0	45	6.85	<0.02	237	<0.05	<2.4
SDW 473-M01-11GN	6/13/2000	<0.09	7.1	58	7.14	<0.02	266	<0.05	<2.4
SDW 473-M01-12R	6/13/2000	<0.09	31.7	100	0.09	<0.02	232	<0.05	<2.4
SDW 473-M01-13BU	6/13/2000	<0.09	21.4	103	0.11	<0.02	216	<0.05	<2.4
SDW 473-M01-14BK	6/13/2000	<0.09	21.1	126	0.04	<0.02	232	<0.05	<2.4
SDW 473-M01-15W	6/13/2000	<0.09	21.5	120	0.08	<0.02	245	<0.05	<2.4
SDW 473-M01-01PT	8/13/2001	8.8	23.4	55	1.81	<0.02	651	<0.05	<2.4
SDW 473-M01-02GNT	8/13/2001	0.1	42.7	49	0.62	<0.02	218	<0.05	<2.4
SDW 473-M01-03RT	8/13/2001	0.1	48.0	64	0.05	<0.02	290	<0.05	<2.4
SDW 473-M01-03RT-D	8/13/2001	0.1	46.5	66	0.05	<0.02	294	<0.05	<2.4
SDW 473-M01-04BUT	8/13/2001	0.1	37.9	82	0.14	<0.02	298	<0.05	3.2
SDW 473-M01-05BKT	8/13/2001	0.1	30.7	123	0.33	<0.02	340	<0.05	2.4
SDW 473-M01-06WT	8/13/2001	0.1	18.2	114	3.63	<0.02	456	<0.05	<2.4
SDW 473-M01-07O	8/13/2001	0.1	11.7	57	43.50	<0.02	773	<0.05	<2.4
SDW 473-M01-08GY	8/13/2001	0.1	10.0	64	53.29	<0.02	874	<0.05	<2.4
SDW 473-M01-09Y	8/13/2001	0.1	<3.8	69	1.93	<0.02	841	<0.05	<2.4
SDW 473-M01-10P	8/13/2001	0.1	<3.8	59	5.40	<0.02	531	<0.05	<2.4
SDW 473-M01-11GN	8/13/2001	0.1	5.5	59	5.07	<0.02	400	<0.05	<2.4
SDW 473-M01-12R	8/13/2001	0.1	39.8	90	0.09	<0.02	420	<0.05	<2.4
SDW 473-M01-13BU	8/13/2001	0.1	18.4	76	0.25	<0.02	218	<0.05	<2.4
SDW 473-M01-14BK	8/13/2001	0.1	20.2	120	0.05	<0.02	217	<0.05	<2.4
SDW 473-M01-15W	8/13/2001	0.1	21.1	132	0.25	<0.02	238	<0.05	<2.4

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Iron, dissolved (μM)	Potassium, dissolved (μM)	Magnesium, dissolved (μM)	Manganese, dissolved (μM)	Molybdenum, dissolved (μM)	Sodium, dissolved (μM)	Nickel, dissolved (μM)	Phosphorus, dissolved (μM)
SDW 473-M01-01PT	6/6/2002	--	--	--	--	--	--	--	--
SDW 473-M01-02GNT	6/6/2002	<0.09	36.4	43	0.50	<0.02	260	<0.05	<2.4
SDW 473-M01-02GNT-X	6/6/2002	<0.09	6.3	<4.11	<0.04	<0.02	947	<0.05	<2.4
SDW 473-M01-03RT	6/6/2002	<0.09	31.2	46	<0.04	<0.02	284	<0.05	<2.4
SDW 473-M01-04BUT	6/6/2002	<0.09	37.3	52	0.13	<0.02	307	<0.05	6.37
SDW 473-M01-05BKT	6/6/2002	<0.09	33.9	102	0.24	<0.02	330	<0.05	<2.4
SDW 473-M01-05BKT-D	6/6/2002	<0.09	35.1	93	0.20	<0.02	347	<0.05	<2.4
SDW 473-M01-06WT	6/6/2002	<0.09	24.3	87	1.15	<0.02	492	<0.05	<2.4
SDW 473-M01-07O	6/6/2002	<0.09	7.0	55	42.99	<0.02	718	<0.05	<2.4
SDW 473-M01-08GY	6/6/2002	<0.09	6.9	54	4.59	<0.02	781	<0.05	<2.4
SDW 473-M01-09Y	6/6/2002	<0.09	8.0	107	0.99	<0.02	746	<0.05	<2.4
SDW 473-M01-10P	6/6/2002	<0.09	8.3	175	7.64	<0.02	600	<0.05	<2.4
SDW 473-M01-11GN	6/6/2002	<0.09	9.2	178	9.31	<0.02	335	<0.05	<2.4
SDW 473-M01-12R	6/6/2002	<0.09	26.9	47	0.06	<0.02	260	<0.05	<2.4
SDW 473-M01-13BU	6/6/2002	<0.09	18.9	80	0.09	<0.02	266	<0.05	<2.4
SDW 473-M01-14BK	6/6/2002	<0.09	21.3	123	0.06	<0.02	227	<0.05	<2.4
SDW 473-M01-15W	6/6/2002	0.1	20.9	123	0.36	<0.02	224	<0.05	<2.4
SDW 473-M01-01PT	5/16/2003	0.1	30.2	53	1.53	--	411	<0.05	2.55
SDW 473-M01-01PT-X	5/16/2003	<0.09	10.9	24	0.76	--	669	<0.05	<2.4
SDW 473-M01-02GNT	5/16/2003	<0.09	31.2	44	0.52	--	233	<0.05	<2.4
SDW 473-M01-02GNT-X	5/16/2003	<0.09	9.7	18	0.24	--	712	<0.05	<2.4
SDW 473-M01-03RT	5/16/2003	<0.09	56.4	95	0.05	--	331	<0.05	3.78
SDW 473-M01-03RT-D	5/16/2003	0.1	55.9	94	0.05	--	331	<0.05	3.73
SDW 473-M01-04BUT	5/16/2003	<0.09	32.1	46	0.07	--	396	<0.05	4.46

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Iron, dissolved (μM)	Potassium, dissolved (μM)	Magnesium, dissolved (μM)	Manganese, dissolved (μM)	Molybdenum, dissolved (μM)	Sodium, dissolved (μM)	Nickel, dissolved (μM)	Phosphorus, dissolved (μM)
SDW 473-M01-05BKT	5/16/2003	<0.09	25.8	72	0.19	--	379	<0.05	3.63
SDW 473-M01-06WT	5/16/2003	<0.09	22.6	95	0.74	--	530	<0.05	2.73
SDW 473-M01-07O	5/16/2003	<0.09	9.9	58	12.93	--	880	<0.05	4.20
SDW 473-M01-08GY	5/16/2003	<0.09	8.9	63	3.07	--	913	<0.05	3.35
SDW 473-M01-09Y	5/16/2003	<0.09	9.5	135	2.38	--	1020	<0.05	2.61
SDW 473-M01-10P	5/16/2003	<0.09	9.9	247	8.47	--	1030	<0.05	<2.4
SDW 473-M01-11GN	5/16/2003	<0.09	11.4	213	9.44	--	784	<0.05	<2.4
SDW 473-M01-12R	5/16/2003	<0.09	30.3	112	0.08	--	249	<0.05	<2.4
SDW 473-M01-13BU	5/16/2003	<0.09	19.4	133	0.07	--	232	<0.05	<2.4
SDW 473-M01-14BK	5/16/2003	<0.09	18.0	124	0.05	--	225	<0.05	<2.4
SDW 473-M01-14BK-D	5/16/2003	<0.09	17.9	125	0.05	--	226	<0.05	<2.4
SDW 473-M01-15W	5/16/2003	<0.09	17.9	122	0.07	--	272	<0.05	<2.4
SDW 473-M01-01PT	8/18/2004	0.3	12.9	32	2.23	--	271	0.083	<2.4
SDW 473-M01-01PT-X	8/18/2004	<0.09	5.5	<4.11	0.14	--	1117	<0.05	<2.4
SDW 473-M01-02GNT	8/18/2004	<0.09	35.9	34	0.20	--	189	<0.05	2.45
SDW 473-M01-02GNT-X	8/18/2004	<0.09	4.3	<4.11	<0.04	--	1341	<0.05	<2.4
SDW 473-M01-03RT	8/18/2004	<0.09	56.7	39	<0.04	--	282	<0.05	3.58
SDW 473-M01-04BUT	8/18/2004	<0.09	38.1	50	0.07	--	407	<0.05	3.81
SDW 473-M01-05BKT	8/18/2004	<0.09	30.9	59	0.13	--	565	<0.05	3.31
SDW 473-M01-06WT	8/18/2004	<0.09	21.1	55	0.28	--	445	<0.05	2.68
SDW 473-M01-07O	8/18/2004	<0.09	10.4	34	1.48	--	684	<0.05	3.56
SDW 473-M01-08GY	8/18/2004	<0.09	13.7	50	1.14	--	875	<0.05	2.51
SDW 473-M01-08GY-D	8/18/2004	<0.09	14.3	51	1.08	--	915	<0.05	2.81
SDW 473-M01-09Y	8/18/2004	<0.09	36.5	79	9.68	--	1064	<0.05	<2.4
SDW 473-M01-10P	8/18/2004	<0.09	50.4	221	8.23	--	1555	<0.05	<2.4

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Iron, dissolved (µM)	Potassium, dissolved (µM)	Magnesium, dissolved (µM)	Manganese, dissolved (µM)	Molybdenum, dissolved (µM)	Sodium, dissolved (µM)	Nickel, dissolved (µM)	Phosphorus, dissolved (µM)
SDW 473-M01-11GN	8/18/2004	<0.09	49.1	200	2.04	--	1155	<0.05	<2.4
SDW 473-M01-12R	8/18/2004	<0.09	45.0	172	0.17	--	726	<0.05	<2.4
SDW 473-M01-13BU	8/18/2004	<0.09	37.1	271	0.10	--	699	<0.05	<2.4
SDW 473-M01-14BK	8/18/2004	<0.09	31.7	280	0.08	--	507	<0.05	<2.4
SDW 473-M01-15W	8/18/2004	<0.09	20.6	150	<0.04	--	297	<0.05	<2.4
SDW 474-M01-01PT	9/22/1995	--	--	--	--	--	--	--	--
SDW 474-M01-02GNT	9/22/1995	<0.02	31.7	47	1.07	--	265	<0.51	<3.23
SDW 474-M01-03RT	9/22/1995	<0.02	35.0	53	1.00	--	320	<0.51	<3.23
SDW 474-M01-04BUT	9/22/1995	<0.02	33.3	63	0.48	--	363	<0.51	<3.23
SDW 474-M01-05BKT	9/22/1995	<0.02	35.6	109	0.41	--	358	<0.51	<3.23
SDW 474-M01-06WT	9/22/1995	<0.02	35.2	166	0.75	--	468	<0.51	<3.23
SDW 474-M01-07O	9/22/1995	<0.02	22.8	123	1.09	--	544	<0.51	<3.23
SDW 474-M01-08GY	9/22/1995	<0.02	37.4	131	0.44	--	593	<0.51	<3.23
SDW 474-M01-09Y	9/22/1995	<0.02	25.4	124	<0.20	--	515	<0.51	<3.23
SDW 474-M01-10P	9/22/1995	<0.02	23.4	130	<0.20	--	319	<0.51	<3.23
SDW 474-M01-11GN	9/22/1995	<0.02	21.1	84	<0.20	--	186	<0.51	<3.23
SDW 474-M01-12R	9/22/1995	<0.02	21.3	76	<0.20	--	172	<0.51	<3.23
SDW 474-M01-13BU	9/22/1995	<0.02	16.1	76	0.27	--	174	<0.51	<3.23
SDW 474-M01-14BK	9/22/1995	0.2	18.9	97	0.72	--	209	<0.51	<3.23
SDW 474-M01-15W	9/22/1995	<0.02	17.1	111	0.68	--	230	<0.51	<3.23
SDW 474-M01-01PT	11/30/1995	--	--	--	--	--	--	--	--
SDW 474-M01-02GNT	11/30/1995	<0.02	37.6	60	1.18	--	256	<0.51	<3.23
SDW 474-M01-03RT	11/30/1995	<0.02	29.3	52	0.93	--	362	<0.51	<3.23
SDW 474-M01-04BUT	11/30/1995	<0.02	32.1	63	0.44	--	444	<0.51	<3.23

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Well or multilevel-sampler port	Date	Iron, dissolved (μM)	Potassium, dissolved (μM)	Magnesium, dissolved (μM)	Manganese, dissolved (μM)	Molybdenum, dissolved (μM)	Sodium, dissolved (μM)	Nickel, dissolved (μM)	Phosphorus, dissolved (μM)
SDW 474-M01-05BKT	11/30/1995	<0.02	33.6	94	0.30	--	401	<0.51	<3.23
SDW 474-M01-06WT	11/30/1995	<0.02	48.0	137	0.56	--	474	<0.51	<3.23
SDW 474-M01-07O	11/30/1995	<0.02	44.6	143	1.21	--	676	<0.51	<3.23
SDW 474-M01-08GY	11/30/1995	<0.02	33.9	177	0.43	--	747	<0.51	<3.23
SDW 474-M01-09Y	11/30/1995	<0.02	24.1	98	<0.20	--	431	<0.51	<3.23
SDW 474-M01-10P	11/30/1995	<0.02	21.1	108	<0.20	--	276	<0.51	<3.23
SDW 474-M01-11GN	11/30/1995	<0.02	22.3	81	<0.20	--	198	<0.51	<3.23
SDW 474-M01-12R	11/30/1995	<0.02	22.6	72	<0.20	--	183	<0.51	<3.23
SDW 474-M01-13BU	11/30/1995	<0.02	24.5	73	0.22	--	188	<0.51	<3.23
SDW 474-M01-14BK	11/30/1995	<0.02	25.1	91	0.61	--	208	<0.51	<3.23
SDW 474-M01-15W	11/30/1995	<0.02	23.2	109	0.63	--	250	<0.51	<3.23
SDW 474-M01-01PT	1/26/1996	--	--	--	--	--	--	--	--
SDW 474-M01-02GNT	1/26/1996	<0.02	39.1	49	0.79	--	105	<0.51	<3.23
SDW 474-M01-03RT	1/26/1996	<0.02	36.0	67	1.02	--	271	<0.51	<3.23
SDW 474-M01-04BUT	1/26/1996	<0.02	41.8	70	0.51	--	446	<0.51	<3.23
SDW 474-M01-05BKT	1/26/1996	<0.02	39.5	81	0.26	--	356	<0.51	<3.23
SDW 474-M01-06WT	1/26/1996	<0.02	46.2	109	0.44	--	365	<0.51	<3.23
SDW 474-M01-07O	1/26/1996	<0.02	43.1	109	0.44	--	369	<0.51	<3.23
SDW 474-M01-08GY	1/26/1996	<0.02	39.1	130	0.28	--	600	<0.51	<3.23
SDW 474-M01-08GY-D	1/26/1996	<0.02	31.5	119	0.28	--	609	<0.51	<3.23
SDW 474-M01-09Y	1/26/1996	<0.02	29.7	160	<0.20	--	481	<0.51	<3.23
SDW 474-M01-10P	1/26/1996	<0.02	39.8	201	<0.20	--	357	<0.51	<3.23
SDW 474-M01-11GN	1/26/1996	<0.02	23.0	106	<0.20	--	214	<0.51	<3.23
SDW 474-M01-12R	1/26/1996	<0.02	33.1	81	<0.20	--	179	<0.51	<3.23
SDW 474-M01-13BU	1/26/1996	<0.02	24.8	74	0.22	--	163	<0.51	<3.23

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Iron, dissolved (μM)	Potassium, dissolved (μM)	Magnesium, dissolved (μM)	Manganese, dissolved (μM)	Molybdenum, dissolved (μM)	Sodium, dissolved (μM)	Nickel, dissolved (μM)	Phosphorus, dissolved (μM)
SDW 474-M01-14BK	1/26/1996	<0.02	27.9	92	0.57	--	191	<0.51	<3.23
SDW 474-M01-15W	1/26/1996	<0.02	32.2	114	0.61	--	238	<0.51	<3.23
SDW 474-M01-01PT	3/22/1996	<0.02	47.2	87	28.75	--	480	<0.51	<3.23
SDW 474-M01-02GNT	3/22/1996	<0.02	18.2	36	0.92	--	332	<0.51	<3.23
SDW 474-M01-03RT	3/22/1996	<0.02	17.8	40	0.65	--	408	<0.51	<3.23
SDW 474-M01-04BUT	3/22/1996	<0.02	30.8	79	0.68	--	509	<0.51	<3.23
SDW 474-M01-05BKT	3/22/1996	<0.02	31.8	144	0.46	--	476	<0.51	<3.23
SDW 474-M01-06WT	3/22/1996	<0.02	19.6	107	0.48	--	385	<0.51	<3.23
SDW 474-M01-07O	3/22/1996	<0.02	26.2	119	0.98	--	626	<0.51	<3.23
SDW 474-M01-08GY	3/22/1996	<0.02	15.9	138	0.28	--	640	<0.51	<3.23
SDW 474-M01-09Y	3/22/1996	<0.02	23.8	183	<0.20	--	659	<0.51	<3.23
SDW 474-M01-09Y-D	3/22/1996	<0.02	33.7	183	<0.20	--	637	<0.51	<3.23
SDW 474-M01-10P	3/22/1996	<0.02	22.4	222	<0.20	--	609	<0.51	<3.23
SDW 474-M01-11GN	3/22/1996	<0.02	12.6	123	<0.20	--	243	<0.51	<3.23
SDW 474-M01-12R	3/22/1996	<0.02	<10.2	82	<0.20	--	186	<0.51	<3.23
SDW 474-M01-13BU	3/22/1996	<0.02	11.7	72	0.22	--	167	<0.51	<3.23
SDW 474-M01-14BK	3/22/1996	<0.02	11.7	91	0.54	--	200	<0.51	<3.23
SDW 474-M01-15W	3/22/1996	<0.02	26.6	118	0.64	--	253	<0.51	<3.23
SDW 474-M01-01PT	5/16/1996	<0.02	42.4	93	15.96	--	453	<0.51	<3.23
SDW 474-M01-02GNT	5/16/1996	<0.02	21.8	55	0.88	--	290	<0.51	<3.23
SDW 474-M01-02GNT-D	5/16/1996	<0.02	31.0	55	0.93	--	304	<0.51	<3.23
SDW 474-M01-03RT	5/16/1996	<0.02	22.8	64	1.16	--	478	<0.51	<3.23
SDW 474-M01-04BUT	5/16/1996	<0.02	30.1	87	0.82	--	582	<0.51	<3.23
SDW 474-M01-05BKT	5/16/1996	<0.02	30.8	137	0.43	--	489	<0.51	<3.23

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Iron, dissolved (μM)	Potassium, dissolved (μM)	Magnesium, dissolved (μM)	Manganese, dissolved (μM)	Molybdenum, dissolved (μM)	Sodium, dissolved (μM)	Nickel, dissolved (μM)	Phosphorus, dissolved (μM)
SDW 474-M01-06WT	5/16/1996	<0.02	31.0	118	0.54	--	423	<0.51	<3.23
SDW 474-M01-07O	5/16/1996	<0.02	20.4	105	0.90	--	602	<0.51	<3.23
SDW 474-M01-08GY	5/16/1996	<0.02	26.7	139	0.28	--	712	<0.51	<3.23
SDW 474-M01-09Y	5/16/1996	<0.02	23.8	172	<0.20	--	637	<0.51	<3.23
SDW 474-M01-10P	5/16/1996	<0.02	30.1	291	<0.20	--	659	<0.51	<3.23
SDW 474-M01-11GN	5/16/1996	<0.02	17.7	154	<0.20	--	272	<0.51	<3.23
SDW 474-M01-11GN-D	5/16/1996	<0.02	31.8	184	<0.20	--	335	<0.51	<3.23
SDW 474-M01-12R	5/16/1996	<0.02	18.2	92	<0.20	--	204	<0.51	<3.23
SDW 474-M01-13BU	5/16/1996	<0.02	15.0	80	0.24	--	182	<0.51	<3.23
SDW 474-M01-14BK	5/16/1996	<0.02	15.0	94	0.53	--	202	<0.51	<3.23
SDW 474-M01-15W	5/16/1996	<0.02	21.8	126	0.67	--	256	<0.51	<3.23
SDW 474-M01-01PT	7/30/1996	<0.02	34.8	85	3.59	--	173	<0.51	<3.23
SDW 474-M01-02GNT	7/30/1996	<0.02	21.6	51	0.47	--	223	<0.51	<3.23
SDW 474-M01-02GNT-D	7/30/1996	<0.02	26.2	53	0.56	--	254	<0.51	<3.23
SDW 474-M01-03RT	7/30/1996	<0.02	27.6	68	1.17	--	373	<0.51	<3.23
SDW 474-M01-04BUT	7/30/1996	<0.02	33.0	78	0.63	--	389	<0.51	<3.23
SDW 474-M01-05BKT	7/30/1996	<0.02	33.6	125	0.39	--	370	<0.51	<3.23
SDW 474-M01-06WT	7/30/1996	0.6	33.0	126	0.53	--	444	<0.51	<3.23
SDW 474-M01-07O	7/30/1996	<0.02	29.4	114	0.87	--	642	<0.51	<3.23
SDW 474-M01-08GY	7/30/1996	<0.02	33.6	164	0.29	--	769	<0.51	<3.23
SDW 474-M01-09Y	7/30/1996	<0.02	28.8	138	<0.20	--	473	<0.51	<3.23
SDW 474-M01-10P	7/30/1996	<0.02	25.8	153	<0.20	--	357	<0.51	<3.23
SDW 474-M01-11GN	7/30/1996	<0.02	22.2	131	<0.20	--	236	<0.51	<3.23
SDW 474-M01-11GN-D	7/30/1996	<0.02	19.0	135	<0.20	--	255	<0.51	<3.23
SDW 474-M01-12R	7/30/1996	<0.02	17.4	92	<0.20	--	194	<0.51	<3.23

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Iron, dissolved (μM)	Potassium, dissolved (μM)	Magnesium, dissolved (μM)	Manganese, dissolved (μM)	Molybdenum, dissolved (μM)	Sodium, dissolved (μM)	Nickel, dissolved (μM)	Phosphorus, dissolved (μM)
SDW 474-M01-13BU	7/30/1996	<0.02	19.8	85	0.25	--	187	<0.51	<3.23
SDW 474-M01-14BK	7/30/1996	<0.02	19.2	103	0.55	--	211	<0.51	<3.23
SDW 474-M01-15W	7/30/1996	<0.02	21.6	125	0.61	--	247	<0.51	<3.23
SDW 474-M01-01PT	11/7/1996	<0.02	37.8	80	2.99	--	417	<0.51	<3.23
SDW 474-M01-02GNT	11/7/1996	<0.02	28.9	53	1.50	--	199	<0.51	<3.23
SDW 474-M01-03RT	11/7/1996	<0.02	28.3	43	0.70	--	259	<0.51	<3.23
SDW 474-M01-04BUT	11/7/1996	<0.02	26.9	53	0.43	--	293	<0.51	<3.23
SDW 474-M01-05BKT	11/7/1996	<0.02	26.6	89	0.28	--	328	<0.51	<3.23
SDW 474-M01-06WT	11/7/1996	<0.02	32.5	146	0.52	--	350	<0.51	<3.23
SDW 474-M01-07O	11/7/1996	<0.02	24.8	112	0.74	--	632	<0.51	<3.23
SDW 474-M01-07O-D	11/7/1996	<0.02	23.5	103	0.71	--	559	<0.51	<3.23
SDW 474-M01-08GY	11/7/1996	<0.02	23.3	168	0.27	--	784	<0.51	<3.23
SDW 474-M01-09Y	11/7/1996	<0.02	22.4	130	<0.20	--	520	<0.51	<3.23
SDW 474-M01-10P	11/7/1996	<0.02	13.9	121	<0.20	--	305	<0.51	<3.23
SDW 474-M01-11GN	11/7/1996	<0.02	16.5	123	<0.20	--	232	<0.51	<3.23
SDW 474-M01-12R	11/7/1996	<0.02	11.8	83	<0.20	--	199	<0.51	<3.23
SDW 474-M01-13BU	11/7/1996	<0.02	12.4	81	0.21	--	197	<0.51	<3.23
SDW 474-M01-14BK	11/7/1996	<0.02	18.6	94	0.45	--	217	<0.51	<3.23
SDW 474-M01-15W	11/7/1996	<0.02	21.0	137	0.54	--	293	<0.51	<3.23
SDW 474-M01-01PT	5/8/1997	<0.02	37.1	58	2.27	--	211	<0.51	<3.23
SDW 474-M01-02GNT	5/8/1997	<0.02	28.9	35	0.44	--	256	<0.51	<3.23
SDW 474-M01-03RT	5/8/1997	<0.02	22.7	49	0.87	--	232	<0.51	<3.23
SDW 474-M01-04BUT	5/8/1997	<0.02	24.3	75	0.54	--	266	<0.51	<3.23
SDW 474-M01-05BKT	5/8/1997	<0.02	26.0	128	0.42	--	403	<0.51	<3.23

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Iron, dissolved (µM)	Potassium, dissolved (µM)	Magnesium, dissolved (µM)	Manganese, dissolved (µM)	Molybdenum, dissolved (µM)	Sodium, dissolved (µM)	Nickel, dissolved (µM)	Phosphorus, dissolved (µM)
SDW 474-M01-06WT	5/8/1997	<0.02	35.9	144	0.51	--	313	<0.51	<3.23
SDW 474-M01-06WT-D	5/8/1997	<0.02	35.4	145	0.52	--	321	<0.51	<3.23
SDW 474-M01-07O	5/8/1997	<0.02	25.6	149	0.71	--	368	<0.51	<3.23
SDW 474-M01-08GY	5/8/1997	<0.02	24.7	158	0.24	--	627	<0.51	<3.23
SDW 474-M01-09Y	5/8/1997	<0.02	23.1	148	<0.20	--	634	<0.51	<3.23
SDW 474-M01-10P	5/8/1997	<0.02	27.2	173	<0.20	--	485	<0.51	<3.23
SDW 474-M01-11GN	5/8/1997	<0.02	12.0	117	<0.20	--	222	<0.51	<3.23
SDW 474-M01-12R	5/8/1997	<0.02	21.0	76	<0.20	--	171	<0.51	<3.23
SDW 474-M01-13BU	5/8/1997	<0.02	12.0	78	0.22	--	181	<0.51	<3.23
SDW 474-M01-14BK	5/8/1997	<0.02	13.2	104	0.48	--	206	<0.51	<3.23
SDW 474-M01-15W	5/8/1997	<0.02	22.3	132	0.39	--	275	<0.51	<3.23
SDW 474-M01-15W-D	5/8/1997	<0.02	23.4	129	0.38	--	277	<0.51	<3.23
SDW 474-M01-01PT	8/14/1997	<0.02	52.4	68	3.39	--	346	<0.51	<3.23
SDW 474-M01-02GNT	8/14/1997	<0.02	33.1	34	0.35	--	304	<0.51	<3.23
SDW 474-M01-03RT	8/14/1997	<0.02	32.1	43	0.77	--	249	<0.51	<3.23
SDW 474-M01-04BUT	8/14/1997	<0.02	26.2	45	0.33	--	228	<0.51	<3.23
SDW 474-M01-05BKT	8/14/1997	<0.02	29.1	73	0.23	--	442	<0.51	<3.23
SDW 474-M01-06WT	8/14/1997	<0.02	33.1	133	0.43	--	348	<0.51	<3.23
SDW 474-M01-07O	8/14/1997	<0.02	31.1	118	0.45	--	547	<0.51	<3.23
SDW 474-M01-07O-D	8/14/1997	<0.02	27.9	121	0.47	--	547	<0.51	<3.23
SDW 474-M01-08GY	8/14/1997	<0.02	32.6	137	0.20	--	751	<0.51	<3.23
SDW 474-M01-09Y	8/14/1997	<0.02	28.7	89	<0.20	--	556	<0.51	<3.23
SDW 474-M01-10P	8/14/1997	0.2	26.2	91	<0.20	--	535	<0.51	<3.23
SDW 474-M01-11GN	8/14/1997	<0.02	16.3	74	<0.20	--	213	<0.51	<3.23
SDW 474-M01-12R	8/14/1997	<0.02	17.8	76	<0.20	--	188	<0.51	<3.23

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Iron, dissolved (μM)	Potassium, dissolved (μM)	Magnesium, dissolved (μM)	Manganese, dissolved (μM)	Molybdenum, dissolved (μM)	Sodium, dissolved (μM)	Nickel, dissolved (μM)	Phosphorus, dissolved (μM)
SDW 474-M01-13BU	8/14/1997	<0.02	19.3	80	0.22	--	205	<0.51	<3.23
SDW 474-M01-14BK	8/14/1997	<0.02	15.8	122	0.59	--	255	<0.51	<3.23
SDW 474-M01-15W	8/14/1997	<0.02	25.2	127	0.24	--	306	<0.51	<3.23
SDW 474-M01-01PT	10/30/1997	<0.02	22.6	43	1.85	--	275	<0.51	<3.23
SDW 474-M01-02GNT	10/30/1997	<0.02	23.0	30	0.30	--	246	<0.51	<3.23
SDW 474-M01-03RT	10/30/1997	<0.02	15.2	29	0.51	--	212	<0.51	<3.23
SDW 474-M01-04BUT	10/30/1997	<0.02	18.5	41	0.25	--	246	<0.51	<3.23
SDW 474-M01-05BKT	10/30/1997	<0.02	14.4	64	<0.20	--	394	<0.51	<3.23
SDW 474-M01-06WT	10/30/1997	<0.02	20.7	105	0.33	--	322	<0.51	<3.23
SDW 474-M01-07O	10/30/1997	<0.02	20.7	96	0.36	--	480	<0.51	<3.23
SDW 474-M01-07O-D	10/30/1997	<0.02	17.1	95	0.36	--	476	<0.51	<3.23
SDW 474-M01-08GY	10/30/1997	<0.02	21.1	122	<0.20	--	624	<0.51	<3.23
SDW 474-M01-09Y	10/30/1997	<0.02	17.4	125	<0.20	--	540	<0.51	<3.23
SDW 474-M01-10P	10/30/1997	<0.02	<10.2	53	<0.20	--	298	<0.51	<3.23
SDW 474-M01-11GN	10/30/1997	<0.02	<10.2	73	<0.20	--	183	<0.51	<3.23
SDW 474-M01-12R	10/30/1997	<0.02	<10.2	78	<0.20	--	174	<0.51	<3.23
SDW 474-M01-13BU	10/30/1997	<0.02	<10.2	84	0.23	--	195	<0.51	<3.23
SDW 474-M01-14BK	10/30/1997	<0.02	<10.2	121	0.54	--	225	<0.51	<3.23
SDW 474-M01-15W	10/30/1997	<0.02	<10.2	106	<0.20	--	264	<0.51	<3.23
SDW 474-M01-01PT	5/18/1998	<0.02	36.8	111	6.07	--	543	<0.51	<3.23
SDW 474-M01-02GNT	5/18/1998	<0.02	30.6	48	0.62	--	326	<0.51	<3.23
SDW 474-M01-03RT	5/18/1998	<0.02	23.0	32	0.62	--	272	<0.51	<3.23
SDW 474-M01-04BUT	5/18/1998	<0.02	21.8	45	0.35	--	349	<0.51	<3.23
SDW 474-M01-05BKT	5/18/1998	<0.02	18.8	81	0.25	--	585	<0.51	<3.23

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Well or multilevel-sampler port	Date	Iron, dissolved (μM)	Potassium, dissolved (μM)	Magnesium, dissolved (μM)	Manganese, dissolved (μM)	Molybdenum, dissolved (μM)	Sodium, dissolved (μM)	Nickel, dissolved (μM)	Phosphorus, dissolved (μM)
SDW 474-M01-05BKT-D	5/18/1998	<0.02	29.9	81	0.26	--	571	<0.51	<3.23
SDW 474-M01-06WT	5/18/1998	<0.02	21.0	53	<0.20	--	350	<0.51	<3.23
SDW 474-M01-07O	5/18/1998	<0.02	25.3	123	0.39	--	494	<0.51	<3.23
SDW 474-M01-08GY	5/18/1998	<0.02	19.5	151	0.21	--	627	<0.51	<3.23
SDW 474-M01-09Y	5/18/1998	<0.02	23.3	159	<0.20	--	553	<0.51	<3.23
SDW 474-M01-10P	5/18/1998	<0.02	<10.2	87	<0.20	--	318	<0.51	<3.23
SDW 474-M01-11GN	5/18/1998	<0.02	18.8	85	<0.20	--	201	<0.51	<3.23
SDW 474-M01-12R	5/18/1998	<0.02	15.0	78	<0.20	--	186	<0.51	<3.23
SDW 474-M01-13BU	5/18/1998	<0.02	17.5	87	0.23	--	204	<0.51	<3.23
SDW 474-M01-14BK	5/18/1998	<0.02	14.0	128	0.50	--	238	<0.51	<3.23
SDW 474-M01-14BK-D	5/18/1998	<0.02	19.8	130	0.51	--	243	<0.51	<3.23
SDW 474-M01-15W	5/18/1998	<0.02	14.5	106	<0.20	--	266	<0.51	<3.23
SDW 474-M01-01PT	11/4/1998	<0.02	27.9	32	1.41	--	244	<0.51	<3.23
SDW 474-M01-02GNT	11/4/1998	<0.02	16.2	30	0.21	--	238	<0.51	<3.23
SDW 474-M01-03RT	11/4/1998	<0.02	21.6	36	0.67	--	223	<0.51	<3.23
SDW 474-M01-04BUT	11/4/1998	<0.02	19.1	38	0.25	--	310	<0.51	<3.23
SDW 474-M01-05BKT	11/4/1998	<0.02	27.9	46	<0.20	--	561	<0.51	<3.23
SDW 474-M01-05BKT-D	11/4/1998	<0.02	14.2	49	<0.20	--	590	<0.51	<3.23
SDW 474-M01-06WT	11/4/1998	<0.02	18.6	77	0.22	--	429	<0.51	<3.23
SDW 474-M01-07O	11/4/1998	<0.02	31.4	156	0.46	--	360	<0.51	<3.23
SDW 474-M01-08GY	11/4/1998	<0.02	27.4	156	0.21	--	657	<0.51	<3.23
SDW 474-M01-09Y	11/4/1998	<0.02	26.0	230	<0.20	--	1078	<0.51	<3.23
SDW 474-M01-10P	11/4/1998	<0.02	35.8	313	<0.20	--	1255	<0.51	<3.23
SDW 474-M01-11GN	11/4/1998	<0.02	39.7	315	<0.20	--	1245	<0.51	<3.23
SDW 474-M01-12R	11/4/1998	<0.02	<10.2	93	<0.20	--	202	<0.51	<3.23

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Iron, dissolved (μM)	Potassium, dissolved (μM)	Magnesium, dissolved (μM)	Manganese, dissolved (μM)	Molybdenum, dissolved (μM)	Sodium, dissolved (μM)	Nickel, dissolved (μM)	Phosphorus, dissolved (μM)
SDW 474-M01-13BU	11/4/1998	<0.02	14.2	102	0.30	--	222	<0.51	<3.23
SDW 474-M01-14BK	11/4/1998	<0.02	25.0	143	0.54	--	277	<0.51	<3.23
SDW 474-M01-14BK-D	11/4/1998	<0.02	16.2	144	0.53	--	277	<0.51	<3.23
SDW 474-M01-15W	11/4/1998	<0.02	23.5	102	<0.20	--	288	<0.51	<3.23
SDW 474-M01-01PT	6/16/1999	0.5	25.7	38	1.05	--	257	<0.51	<3.23
SDW 474-M01-01PT-D	6/16/1999	<0.02	28.1	39	1.00	--	259	<0.51	<3.23
SDW 474-M01-02GNT	6/16/1999	<0.02	25.3	28	<0.20	--	246	<0.51	<3.23
SDW 474-M01-03RT	6/16/1999	<0.02	35.4	57	1.12	--	514	<0.51	<3.23
SDW 474-M01-04BUT	6/16/1999	<0.02	40.3	70	0.56	--	661	<0.51	<3.23
SDW 474-M01-05BKT	6/16/1999	<0.02	24.6	90	0.29	--	419	<0.51	<3.23
SDW 474-M01-06WT	6/16/1999	<0.02	35.4	117	0.35	--	398	<0.51	<3.23
SDW 474-M01-07O	6/16/1999	<0.02	40.3	158	0.38	--	668	<0.51	<3.23
SDW 474-M01-07O-D	6/16/1999	<0.02	36.4	143	0.35	--	602	<0.51	<3.23
SDW 474-M01-08GY	6/16/1999	<0.02	31.6	181	0.22	--	1057	<0.51	<3.23
SDW 474-M01-09Y	6/16/1999	<0.02	35.4	198	<0.20	--	1282	<0.51	<3.23
SDW 474-M01-10P	6/16/1999	<0.02	25.7	124	<0.20	--	1002	<0.51	<3.23
SDW 474-M01-11GN	6/16/1999	<0.02	33.7	218	<0.20	--	986	<0.51	<3.23
SDW 474-M01-12R	6/16/1999	<0.02	25.7	140	<0.20	--	261	<0.51	<3.23
SDW 474-M01-13BU	6/16/1999	<0.02	25.0	87	0.23	--	202	<0.51	<3.23
SDW 474-M01-13BU-D	6/16/1999	<0.02	22.2	83	0.21	--	197	<0.51	<3.23
SDW 474-M01-14BK	6/16/1999	<0.02	25.0	127	0.36	--	264	<0.51	<3.23
SDW 474-M01-15W	6/16/1999	<0.02	21.2	102	<0.20	--	316	<0.51	<3.23
SDW 474-M01-01PT	6/12/2000	0.1	29.7	63	3.76	<0.02	255	0.179	<2.4
SDW 474-M01-01PT-X	6/12/2000	0.5	62.4	48	0.08	<0.02	812	0.039	<2.4

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Iron, dissolved (μM)	Potassium, dissolved (μM)	Magnesium, dissolved (μM)	Manganese, dissolved (μM)	Molybdenum, dissolved (μM)	Sodium, dissolved (μM)	Nickel, dissolved (μM)	Phosphorus, dissolved (μM)
SDW 474-M01-02GNT	6/12/2000	<0.09	18.4	26	0.22	<0.02	225	<0.05	<2.4
SDW 474-M01-02GNT-X	6/12/2000	<0.09	36.9	7	<0.04	<0.02	487	<0.05	<2.4
SDW 474-M01-03RT	6/12/2000	<0.09	28.2	49	1.20	<0.02	358	0.095	<2.4
SDW 474-M01-04BUT	6/12/2000	<0.09	42.3	133	1.14	<0.02	592	0.237	<2.4
SDW 474-M01-05BKT	6/12/2000	<0.09	30.9	152	0.51	<0.02	362	0.157	<2.4
SDW 474-M01-05BKT-X	6/12/2000	0.2	59.0	<4	<0.04	<0.02	910	<0.05	<2.4
SDW 474-M01-06WT	6/12/2000	<0.09	34.3	137	0.39	<0.02	431	0.066	<2.4
SDW 474-M01-06WT-D	6/12/2000	<0.09	35.8	145	0.42	<0.02	465	0.072	<2.4
SDW 474-M01-07O	6/12/2000	<0.09	31.9	88	0.21	<0.02	951	<0.05	<2.4
SDW 474-M01-08GY	6/12/2000	<0.09	26.5	88	0.11	<0.02	999	<0.05	<2.4
SDW 474-M01-09Y	6/12/2000	<0.09	26.1	129	0.08	<0.02	955	<0.05	<2.4
SDW 474-M01-10P	6/12/2000	<0.09	20.0	70	<0.04	<0.02	789	<0.05	<2.4
SDW 474-M01-11GN	6/12/2000	<0.09	16.2	70	<0.04	<0.02	382	<0.05	<2.4
SDW 474-M01-12R	6/12/2000	<0.09	16.6	88	0.06	<0.02	212	<0.05	<2.4
SDW 474-M01-13BU	6/12/2000	<0.09	19.6	132	0.35	<0.02	258	<0.05	<2.4
SDW 474-M01-14BK	6/12/2000	<0.09	17.1	131	0.28	<0.02	278	<0.05	<2.4
SDW 474-M01-15W	6/12/2000	<0.09	16.7	65	0.07	<0.02	277	<0.05	<2.4
SDW 474-M01-02GNT	6/17/2002	<0.09	26.9	40	0.43	<0.02	251	0.047	<2.4
SDW 474-M01-02GNT-X	6/17/2002	<0.09	21.5	<4	<0.04	<0.02	680	<0.05	<2.4
SDW 474-M01-03RT	6/17/2002	<0.09	35.3	61	1.26	<0.02	555	0.105	<2.4
SDW 474-M01-04BUT	6/17/2002	<0.09	32.8	75	1.02	<0.02	708	0.146	<2.4
SDW 474-M01-05BKT	6/17/2002	<0.09	39.5	177	0.76	<0.02	796	0.141	<2.4
SDW 474-M01-05BKT-X	6/17/2002	<0.09	6.7	<4	<0.04	<0.02	1411	<0.05	<2.4
SDW 474-M01-06WT	6/17/2002	<0.09	40.6	151	0.40	<0.02	707	0.073	<2.4
SDW 474-M01-07O	6/17/2002	<0.09	48.8	91	0.18	<0.02	846	<0.05	<2.4

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; µM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Iron, dissolved (µM)	Potassium, dissolved (µM)	Magnesium, dissolved (µM)	Manganese, dissolved (µM)	Molybdenum, dissolved (µM)	Sodium, dissolved (µM)	Nickel, dissolved (µM)	Phosphorus, dissolved (µM)
SDW 474-M01-08GY	6/17/2002	<0.09	33.1	138	0.14	<0.02	902	<0.05	<2.4
SDW 474-M01-09Y	6/17/2002	<0.09	32.4	210	0.11	<0.02	1005	<0.05	<2.4
SDW 474-M01-10P	6/17/2002	<0.09	33.7	268	0.10	<0.02	939	<0.05	<2.4
SDW 474-M01-11GN	6/17/2002	<0.09	26.0	216	0.07	<0.02	579	<0.05	<2.4
SDW 474-M01-12R	6/17/2002	<0.09	18.7	151	0.08	<0.02	263	<0.05	<2.4
SDW 474-M01-12R-D	6/17/2002	<0.09	18.5	149	0.07	<0.02	259	<0.05	<2.4
SDW 474-M01-13BU	6/17/2002	<0.09	17.0	90	0.27	<0.02	202	<0.05	<2.4
SDW 474-M01-14BK	6/17/2002	<0.09	19.1	120	0.32	<0.02	224	<0.05	<2.4
SDW 474-M01-15W	6/17/2002	<0.09	17.0	105	0.05	<0.02	214	<0.05	<2.4
SDW 474-M01-01PT	5/30/2003	<0.09	17.7	75	1.75	--	242	0.066	<2.4
SDW 474-M01-01PT-X	5/30/2003	<0.09	5.6	31	0.78	--	605	<0.05	<2.4
SDW 474-M01-02GNT	5/30/2003	<0.09	24.7	45	0.62	--	241	<0.05	<2.4
SDW 474-M01-02GNT-X	5/30/2003	<0.09	6.4	16	0.26	--	537	<0.05	<2.4
SDW 474-M01-03RT	5/30/2003	<0.09	24.6	42	0.94	--	482	0.077	<2.4
SDW 474-M01-04BUT	5/30/2003	<0.09	31.5	79	1.18	--	815	0.150	<2.4
SDW 474-M01-05BKT	5/30/2003	<0.09	36.0	189	1.11	--	918	0.157	<2.4
SDW 474-M01-05BKT-D	5/30/2003	<0.09	35.8	191	1.11	--	918	0.155	<2.4
SDW 474-M01-05BKT-X	5/30/2003	<0.09	7.5	44	0.29	--	1519	<0.05	<2.4
SDW 474-M01-05BKT-X-D	5/30/2003	<0.09	9.5	60	0.38	--	1418	<0.05	<2.4
SDW 474-M01-06WT	5/30/2003	<0.09	41.7	158	0.51	--	903	0.078	<2.4
SDW 474-M01-07O	5/30/2003	<0.09	44.0	101	0.20	--	1004	<0.05	<2.4
SDW 474-M01-08GY	5/30/2003	<0.09	45.6	240	0.26	--	1517	<0.05	<2.4
SDW 474-M01-09Y	5/30/2003	<0.09	45.8	360	0.22	--	1864	<0.05	<2.4
SDW 474-M01-10P	5/30/2003	<0.09	36.6	224	0.10	--	1350	<0.05	<2.4
SDW 474-M01-10P-D	5/30/2003	<0.09	36.1	227	0.09	--	1355	<0.05	<2.4

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Iron, dissolved (μM)	Potassium, dissolved (μM)	Magnesium, dissolved (μM)	Manganese, dissolved (μM)	Molybdenum, dissolved (μM)	Sodium, dissolved (μM)	Nickel, dissolved (μM)	Phosphorus, dissolved (μM)
SDW 474-M01-11GN	5/30/2003	<0.09	28.8	305	0.12	--	989	<0.05	<2.4
SDW 474-M01-12R	5/30/2003	<0.09	19.5	184	0.12	--	499	<0.05	<2.4
SDW 474-M01-13BU	5/30/2003	<0.09	25.2	209	0.56	--	340	<0.05	<2.4
SDW 474-M01-14BK	5/30/2003	<0.09	23.9	199	0.47	--	413	<0.05	<2.4
SDW 474-M01-15W	5/30/2003	<0.09	21.1	186	0.12	--	361	<0.05	<2.4
SDW 474-M01-01PT	8/26/2004	<0.09	21.0	27	0.57	--	163	<0.05	<2.4
SDW 474-M01-01PT-X	8/26/2004	<0.09	<3.8	<4	0.04	--	762	<0.05	<2.4
SDW 474-M01-02GNT	8/26/2004	<0.09	22.3	34	0.70	--	224	<0.05	<2.4
SDW 474-M01-02GNT-X	8/26/2004	<0.09	4.2	<4	0.04	--	763	<0.05	<2.4
SDW 474-M01-03RT	8/26/2004	<0.09	23.0	46	1.31	--	252	0.087	<2.4
SDW 474-M01-04BUT	8/26/2004	<0.09	21.9	57	0.75	--	426	0.104	<2.4
SDW 474-M01-05BKT	8/26/2004	<0.09	24.1	42	0.32	--	848	<0.05	<2.4
SDW 474-M01-05BKT-X	8/26/2004	<0.09	<3.8	<4	<0.04	--	1316	<0.05	<2.4
SDW 474-M01-06WT	8/26/2004	<0.09	30.1	47	0.19	--	837	<0.05	<2.4
SDW 474-M01-07O	8/26/2004	<0.09	33.9	71	0.13	--	636	<0.05	<2.4
SDW 474-M01-08GY	8/26/2004	<0.09	24.3	54	0.06	--	720	<0.05	<2.4
SDW 474-M01-09Y	8/26/2004	<0.09	22.8	53	<0.04	--	873	<0.05	<2.4
SDW 474-M01-09Y-D	8/26/2004	<0.09	22.1	52	<0.04	--	863	<0.05	<2.4
SDW 474-M01-10P	8/26/2004	<0.09	38.9	86	0.04	--	1226	<0.05	<2.4
SDW 474-M01-11GN	8/26/2004	<0.09	44.3	219	0.09	--	1544	<0.05	<2.4
SDW 474-M01-12R	8/26/2004	<0.09	43.0	191	0.11	--	1387	<0.05	<2.4
SDW 474-M01-13BU	8/26/2004	<0.09	45.0	280	0.43	--	1537	<0.05	<2.4
SDW 474-M01-14BK	8/26/2004	<0.09	31.8	174	0.24	--	1083	<0.05	<2.4
SDW 474-M01-15W	8/26/2004	<0.09	28.9	128	0.05	--	959	<0.05	<2.4

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Iron, dissolved (μM)	Potassium, dissolved (μM)	Magnesium, dissolved (μM)	Manganese, dissolved (μM)	Molybdenum, dissolved (μM)	Sodium, dissolved (μM)	Nickel, dissolved (μM)	Phosphorus, dissolved (μM)
SDW 521-M01-01PT	8/14/2001	<0.09	52.0	75	1.30	--	406	0.072	30.98
SDW 521-M01-02GNT	8/14/2001	<0.09	38.9	35	1.62	--	327	0.082	3.66
SDW 521-M01-03RT	8/14/2001	<0.09	59.4	81	0.26	--	326	<0.05	6.27
SDW 521-M01-04BUT	8/14/2001	<0.09	41.3	54	0.22	--	271	<0.05	6.04
SDW 521-M01-05BKT	8/14/2001	<0.09	34.6	77	0.41	--	245	<0.05	4.05
SDW 521-M01-06WT	8/14/2001	<0.09	27.0	119	3.90	--	396	<0.05	3.78
SDW 521-M01-07O	8/14/2001	0.2	15.2	102	58.04	--	794	<0.05	<2.4
SDW 521-M01-08GY	8/14/2001	<0.09	11.4	87	60.01	--	837	<0.05	<2.4
SDW 521-M01-09Y	8/14/2001	<0.09	8.0	69	45.22	--	837	<0.05	<2.4
SDW 521-M01-10P	8/14/2001	<0.09	<3.8	60	8.41	--	555	<0.05	<2.4
SDW 521-M01-11GN	8/14/2001	<0.09	7.2	44	1.83	--	381	<0.05	<2.4
SDW 521-M01-12R	8/14/2001	<0.09	47.3	90	0.32	--	489	<0.05	<2.4
SDW 521-M01-13BU	8/14/2001	<0.09	24.5	119	0.10	--	239	<0.05	<2.4
SDW 521-M01-13BU-D	8/14/2001	0.1	22.9	126	0.14	--	255	<0.05	<2.4
SDW 521-M01-14BK	8/14/2001	0.1	22.3	132	0.21	--	219	<0.05	<2.4
SDW 521-M01-15W	8/14/2001	0.7	22.9	138	0.49	--	235	<0.05	<2.4
SDW 521-M01-01PT	6/17/2002	--	--	--	--	--	--	--	--
SDW 521-M01-02GNT	6/17/2002	<0.09	34.0	27	1.45	<0.02	257	0.072	5.85
SDW 521-M01-03RT	6/17/2002	<0.09	44.7	37	0.14	<0.02	299	<0.05	8.21
SDW 521-M01-04BUT	6/17/2002	<0.09	36.1	41	0.13	<0.02	358	<0.05	8.45
SDW 521-M01-05BKT	6/17/2002	<0.09	31.8	63	0.34	<0.02	384	<0.05	6.38
SDW 521-M01-06WT	6/17/2002	<0.09	27.0	73	1.71	<0.02	429	<0.05	5.97
SDW 521-M01-07O	6/17/2002	<0.09	12.7	62	40.45	<0.02	797	<0.05	4.97
SDW 521-M01-08GY	6/17/2002	<0.09	12.6	64	53.25	<0.02	892	<0.05	<2.4
SDW 521-M01-09Y	6/17/2002	<0.09	6.9	58	13.35	<0.02	835	<0.05	<2.4

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Iron, dissolved (µM)	Potassium, dissolved (µM)	Magnesium, dissolved (µM)	Manganese, dissolved (µM)	Molybdenum, dissolved (µM)	Sodium, dissolved (µM)	Nickel, dissolved (µM)	Phosphorus, dissolved (µM)
SDW 521-M01-10P	6/17/2002	<0.09	8.0	137	5.61	<0.02	598	<0.05	<2.4
SDW 521-M01-10P-D	6/17/2002	<0.09	8.1	145	6.15	<0.02	590	<0.05	<2.4
SDW 521-M01-11GN	6/17/2002	<0.09	8.1	94	1.71	<0.02	381	<0.05	<2.4
SDW 521-M01-12R	6/17/2002	<0.09	24.4	33	0.13	<0.02	268	<0.05	<2.4
SDW 521-M01-13BU	6/17/2002	<0.09	18.1	69	0.05	<0.02	247	<0.05	<2.4
SDW 521-M01-14BK	6/17/2002	<0.09	20.8	132	0.09	<0.02	202	<0.05	<2.4
SDW 521-M01-15W	6/17/2002	<0.09	19.7	129	0.08	<0.02	192	<0.05	<2.4
SDW 521-M01-01PT	6/3/2003	0.2	49.8	46	0.57	--	294	<0.05	57.86
SDW 521-M01-02GNT	6/3/2003	<0.09	23.1	43	1.25	--	345	0.053	5.44
SDW 521-M01-03RT	6/3/2003	<0.09	30.8	94	0.18	--	283	<0.05	8.42
SDW 521-M01-04BUT	6/3/2003	<0.09	32.1	79	0.14	--	371	<0.05	6.98
SDW 521-M01-05BKT	6/3/2003	<0.09	22.6	63	0.19	--	380	<0.05	6.60
SDW 521-M01-06WT	6/3/2003	<0.09	21.7	99	0.93	--	439	<0.05	4.89
SDW 521-M01-06WT-D	6/3/2003	<0.09	22.6	103	0.89	--	455	<0.05	5.13
SDW 521-M01-07O	6/3/2003	<0.09	5.4	79	47.67	--	763	<0.05	6.93
SDW 521-M01-08GY	6/3/2003	<0.09	7.4	59	14.06	--	803	<0.05	7.59
SDW 521-M01-09Y	6/3/2003	<0.09	8.1	83	4.15	--	843	<0.05	3.95
SDW 521-M01-10P	6/3/2003	<0.09	9.7	218	2.46	--	976	<0.05	<2.4
SDW 521-M01-11GN	6/3/2003	<0.09	10.3	204	5.73	--	711	<0.05	<2.4
SDW 521-M01-12R	6/3/2003	<0.09	26.6	91	0.40	--	267	<0.05	<2.4
SDW 521-M01-13BU	6/3/2003	<0.09	15.9	109	0.08	--	210	<0.05	<2.4
SDW 521-M01-14BK	6/3/2003	<0.09	17.4	119	0.16	--	261	<0.05	<2.4
SDW 521-M01-15W	6/3/2003	<0.09	14.8	95	0.12	--	253	<0.05	<2.4
SDW 521-M01-01PT	7/26/2004	0.1	43.4	43	0.29	--	311	<0.05	40.78

Table 9, part 2. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Iron, dissolved (μM)	Potassium, dissolved (μM)	Magnesium, dissolved (μM)	Manganese, dissolved (μM)	Molybdenum, dissolved (μM)	Sodium, dissolved (μM)	Nickel, dissolved (μM)	Phosphorus, dissolved (μM)
SDW 521-M01-02GNT	7/26/2004	<0.09	33.7	36	1.90	--	211	0.089	4.85
SDW 521-M01-03RT	7/26/2004	<0.09	54.1	38	0.08	--	237	<0.05	9.06
SDW 521-M01-04BUT	7/26/2004	<0.09	40.9	67	0.12	--	399	<0.05	6.26
SDW 521-M01-05BKT	7/26/2004	<0.09	35.8	107	0.31	--	678	<0.05	4.36
SDW 521-M01-06WT	7/26/2004	<0.09	28.8	94	0.55	--	534	<0.05	4.39
SDW 521-M01-07O	7/26/2004	<0.09	11.3	47	4.07	--	645	<0.05	8.78
SDW 521-M01-08GY	7/26/2004	<0.09	11.9	47	2.65	--	885	<0.05	5.64
SDW 521-M01-09Y	7/26/2004	<0.09	27.8	81	1.90	--	1137	<0.05	4.36
SDW 521-M01-10P	7/26/2004	<0.09	53.9	215	2.30	--	1428	<0.05	<2.4
SDW 521-M01-10P-D	7/26/2004	<0.09	51.5	216	2.32	--	1435	<0.05	2.69
SDW 521-M01-11GN	7/26/2004	<0.09	29.8	219	7.08	--	1043	<0.05	<2.4
SDW 521-M01-12R	7/26/2004	<0.09	58.3	167	1.14	--	612	<0.05	<2.4
SDW 521-M01-13BU	7/26/2004	<0.09	36.0	269	0.12	--	516	<0.05	<2.4
SDW 521-M01-14BK	7/26/2004	<0.09	24.2	149	0.06	--	279	<0.05	<2.4
SDW 521-M01-15W	7/26/2004	<0.09	14.3	99	<0.04	--	285	<0.05	<2.4

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994–2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
FSW 343-M01-01PT	11/29/1994	<0.48	209	--	--	--	--	<0.25
FSW 343-M01-02GNT	11/29/1994	<0.48	220	--	--	--	--	<0.25
FSW 343-M01-03RT	11/29/1994	<0.48	212	--	--	--	--	<0.25
FSW 343-M01-04BUT	11/29/1994	<0.48	205	--	--	--	--	<0.25
FSW 343-M01-05BKT	11/29/1994	<0.48	189	--	--	--	--	<0.25
FSW 343-M01-06WT	11/29/1994	<0.48	174	--	--	--	--	<0.25
FSW 343-M01-06WT-D	11/29/1994	<0.48	175	--	--	--	--	<0.25
FSW 343-M01-07O	11/29/1994	<0.48	172	--	--	--	--	<0.25
FSW 343-M01-08GY	11/29/1994	<0.48	176	--	--	--	--	<0.25
FSW 343-M01-09Y	11/29/1994	<0.48	178	--	--	--	--	<0.25
FSW 343-M01-10P	11/29/1994	<0.48	189	--	--	--	--	<0.25
FSW 343-M01-11GN	11/29/1994	<0.48	199	--	--	--	--	<0.25
FSW 343-M01-12R	11/29/1994	<0.48	215	--	--	--	--	<0.25
FSW 343-M01-13BU	11/29/1994	<0.48	203	--	--	--	--	<0.25
FSW 343-M01-14BK	11/29/1994	<0.48	213	--	--	--	--	<0.25
FSW 343-M02-01PT	11/29/1994	<0.48	269	--	--	--	--	0.38
FSW 343-M02-02GNT	11/29/1994	<0.48	267	--	--	--	--	<0.25
FSW 343-M02-03RT	11/29/1994	<0.48	278	--	--	--	--	<0.25
FSW 343-M02-04BUT	11/29/1994	<0.48	287	--	--	--	--	<0.25
FSW 343-M02-05BKT	11/29/1994	<0.48	285	--	--	--	--	<0.25
FSW 343-M02-06WT	11/29/1994	<0.48	292	--	--	--	--	<0.25
FSW 343-M02-07O	11/29/1994	<0.48	259	--	--	--	--	<0.25
FSW 343-M02-07O-D	11/29/1994	<0.48	253	--	--	--	--	<0.25
FSW 343-M02-08GY	11/29/1994	<0.48	211	--	--	--	--	<0.25
FSW 343-M02-09Y	11/29/1994	<0.48	242	--	--	--	--	<0.25

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
FSW 343-M02-10P	11/29/1994	<0.48	223	--	--	--	--	<0.25
FSW 343-M02-11GN	11/29/1994	<0.48	233	--	--	--	--	<0.25
FSW 343-M02-12R	11/29/1994	<0.48	226	--	--	--	--	<0.25
FSW 343-M02-13BU	11/29/1994	<0.48	234	--	--	--	--	<0.25
FSW 343-M02-14BK	11/29/1994	<0.48	229	--	--	--	--	<0.25
FSW 343-M02-15W	11/29/1994	<0.48	223	--	--	--	--	<0.25
FSW 343-M03-02GNT (1-19)	11/29/1994	<0.48	149	--	--	--	--	0.36
FSW 343-M03-03RT (1-19)	11/29/1994	<0.48	124	--	--	--	--	<0.25
FSW 343-M03-04BUT (1-19)	11/29/1994	<0.48	177	--	--	--	--	6.43
FSW 343-M03-05BKT (1-19)	11/30/1994	<0.48	199	--	--	--	--	8.16
FSW 343-M03-06WT (1-19)	11/30/1994	<0.48	216	--	--	--	--	8.38
FSW 343-M03-07O (1-19)	11/30/1994	<0.48	233	--	--	--	--	6.41
FSW 343-M03-08GY (1-19)	11/30/1994	<0.48	248	--	--	--	--	3.05
FSW 343-M03-09Y (1-19)	11/30/1994	<0.48	258	--	--	--	--	0.48
FSW 343-M03-09Y (1-19)-D	11/30/1994	<0.48	255	--	--	--	--	0.42
FSW 343-M03-10P (1-19)	11/30/1994	<0.48	271	--	--	--	--	<0.25
FSW 343-M03-11GN (1-19)	11/30/1994	<0.48	273	--	--	--	--	<0.25
FSW 343-M03-12R (1-19)	11/30/1994	<0.48	271	--	--	--	--	<0.25
FSW 343-M03-13BU (1-19)	11/29/1994	<0.48	264	--	--	--	--	<0.25
FSW 343-M03-14BK (1-19)	11/29/1994	<0.48	252	--	--	--	--	<0.25
FSW 343-M03-15W (1-19)	11/29/1994	<0.48	244	--	--	--	--	<0.25
FSW 343-M03-15W (1-19)-D	11/29/1994	<0.48	256	--	--	--	--	<0.25
FSW 343-M01-01PT	6/18/1996	<0.48	201	--	--	--	--	0.28
FSW 343-M01-02GNT	6/18/1996	<0.48	184	--	--	--	--	0.25

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Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
FSW 343-M01-03RT	6/18/1996	<0.48	157	--	--	--	--	<0.25
FSW 343-M01-04BUT	6/18/1996	<0.48	177	--	--	--	--	<0.25
FSW 343-M01-05BKT	6/18/1996	<0.48	163	--	--	--	--	0.39
FSW 343-M01-06WT	6/18/1996	<0.48	186	--	--	--	--	<0.25
FSW 343-M01-07O	6/18/1996	<0.48	181	--	--	--	--	0.42
FSW 343-M01-08GY	6/18/1996	<0.48	194	--	--	--	--	0.30
FSW 343-M01-08GY-D	6/18/1996	<0.48	188	--	--	--	--	0.31
FSW 343-M01-09Y	6/18/1996	<0.48	205	--	--	--	--	<0.25
FSW 343-M01-10P	6/18/1996	<0.48	200	--	--	--	--	0.29
FSW 343-M01-11GN	6/18/1996	<0.48	206	--	--	--	--	<0.25
FSW 343-M01-12R	6/18/1996	<0.48	231	--	--	--	--	0.46
FSW 343-M01-14BK	6/18/1996	<0.48	215	--	--	--	--	<0.25
FSW 343-M01-15W	6/18/1996	<0.48	252	--	--	--	--	0.37
FSW 343-M02-01PT	6/17/1996	<0.48	253	--	--	--	--	<0.25
FSW 343-M02-02GNT	6/17/1996	<0.48	270	--	--	--	--	0.29
FSW 343-M02-02GNT-D	6/17/1996	<0.48	279	--	--	--	--	0.29
FSW 343-M02-03RT	6/17/1996	<0.48	292	--	--	--	--	0.31
FSW 343-M02-04BUT	6/18/1996	<0.48	245	--	--	--	--	0.27
FSW 343-M02-05BKT	6/18/1996	<0.48	269	--	--	--	--	0.32
FSW 343-M02-06WT	6/18/1996	<0.48	275	--	--	--	--	<0.25
FSW 343-M02-07O	6/18/1996	<0.48	299	--	--	--	--	0.45
FSW 343-M02-08GY	6/18/1996	<0.48	280	--	--	--	--	0.30
FSW 343-M02-09Y	6/18/1996	<0.48	208	--	--	--	--	0.25
FSW 343-M02-10P	6/18/1996	<0.48	238	--	--	--	--	<0.25
FSW 343-M02-11GN	6/18/1996	<0.48	230	--	--	--	--	<0.25

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
FSW 343-M02-11GN-D	6/18/1996	<0.48	224	--	--	--	--	<0.25
FSW 343-M02-12R	6/18/1996	<0.48	228	--	--	--	--	0.34
FSW 343-M02-13BU	6/18/1996	<0.48	233	--	--	--	--	0.31
FSW 343-M02-14BK	6/18/1996	<0.48	215	--	--	--	--	<0.25
FSW 343-M02-15W	6/18/1996	<0.48	213	--	--	--	--	<0.25
FSW 343-M03-01PT (1-19)	6/17/1996	<0.48	85	--	--	--	--	<0.25
FSW 343-M03-01PT (1-19)-R	6/17/1996	<0.48	74	--	--	--	--	<0.25
FSW 343-M03-02GNT (1-19)	6/17/1996	<0.48	83	--	--	--	--	0.27
FSW 343-M03-02GNT (1-19)-R	6/17/1996	<0.48	73	--	--	--	--	<0.25
FSW 343-M03-03RT (1-19)	6/17/1996	<0.48	105	--	--	--	--	1.38
FSW 343-M03-03RT (1-19)-R	6/17/1996	<0.48	93	--	--	--	--	1.30
FSW 343-M03-04BUT (1-19)	6/17/1996	<0.48	157	--	--	--	--	1.97
FSW 343-M03-04BUT (1-19)-R	6/17/1996	<0.48	139	--	--	--	--	2.14
FSW 343-M03-05BKT (1-19)	6/17/1996	<0.48	170	--	--	--	--	4.27
FSW 343-M03-05BKT (1-19)-R	6/17/1996	<0.48	151	--	--	--	--	3.98
FSW 343-M03-05BKT (1-19)-D	6/17/1996	<0.48	174	--	--	--	--	4.01
FSW 343-M03-05BKT (1-19)-D-R	6/17/1996	<0.48	155	--	--	--	--	3.84
FSW 343-M03-06WT (1-19)	6/17/1996	<0.48	179	--	--	--	--	4.94
FSW 343-M03-06WT (1-19)-R	6/17/1996	<0.48	166	--	--	--	--	4.92
FSW 343-M03-07O (1-19)	6/17/1996	<0.48	195	--	--	--	--	6.34
FSW 343-M03-07O (1-19)-R	6/17/1996	<0.48	179	--	--	--	--	6.25
FSW 343-M03-08GY (1-19)	6/17/1996	<0.48	211	--	--	--	--	6.44
FSW 343-M03-08GY (1-19)-R	6/17/1996	<0.48	197	--	--	--	--	6.49
FSW 343-M03-09Y (1-19)	6/17/1996	<0.48	241	--	--	--	--	4.11
FSW 343-M03-09Y (1-19)-R	6/17/1996	<0.48	211	--	--	--	--	3.85

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Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
FSW 343-M03-10P (1-19)	6/17/1996	<0.48	256	--	--	--	--	0.49
FSW 343-M03-10P (1-19)-R	6/17/1996	<0.48	215	--	--	--	--	0.44
FSW 343-M03-11GN (1-19)	6/17/1996	<0.48	249	--	--	--	--	<0.25
FSW 343-M03-11GN (1-19)-R	6/17/1996	<0.48	214	--	--	--	--	<0.25
FSW 343-M03-12R (1-19)	6/17/1996	<0.48	248	--	--	--	--	<0.25
FSW 343-M03-12R (1-19)-R	6/17/1996	<0.48	214	--	--	--	--	<0.25
FSW 343-M03-13BU (1-19)	6/17/1996	<0.48	243	--	--	--	--	<0.25
FSW 343-M03-13BU (1-19)-R	6/17/1996	<0.48	207	--	--	--	--	<0.25
FSW 343-M03-14BK (1-19)	6/17/1996	<0.48	252	--	--	--	--	0.32
FSW 343-M03-14BK (1-19)-R	6/17/1996	<0.48	215	--	--	--	--	0.27
FSW 343-M03-14BK (1-19)-D	6/17/1996	<0.48	250	--	--	--	--	0.41
FSW 343-M03-14BK (1-19)-D-R	6/17/1996	<0.48	221	--	--	--	--	0.36
FSW 343-M03-15W (1-19)	6/17/1996	<0.48	265	--	--	--	--	0.34
FSW 343-M03-15W (1-19)-R	6/17/1996	<0.48	223	--	--	--	--	0.29
FSW 343-M01-01PT	11/18/1996	<0.48	184	0.37	--	--	--	0.25
FSW 343-M01-02GNT	11/18/1996	<0.48	209	0.23	--	--	--	<0.25
FSW 343-M01-03RT	11/18/1996	<0.48	198	0.30	--	--	--	<0.25
FSW 343-M01-04BUT	11/18/1996	<0.48	183	0.25	--	--	--	<0.25
FSW 343-M01-04BUT-D	11/18/1996	<0.48	198	0.27	--	--	--	<0.25
FSW 343-M01-05BKT	11/18/1996	<0.48	186	0.57	--	--	--	<0.25
FSW 343-M01-06WT	11/18/1996	<0.48	172	0.24	--	--	--	<0.25
FSW 343-M01-07O	11/18/1996	<0.48	164	0.16	--	--	--	<0.25
FSW 343-M01-08GY	11/18/1996	<0.48	168	0.15	--	--	--	<0.25
FSW 343-M01-09Y	11/18/1996	<0.48	167	0.08	--	--	--	<0.25
FSW 343-M01-10P	11/18/1996	<0.48	186	0.14	--	--	--	<0.25

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
FSW 343-M01-11GN	11/18/1996	<0.48	196	0.20	--	--	--	<0.25
FSW 343-M01-12R	11/18/1996	<0.48	214	0.30	--	--	--	<0.25
FSW 343-M01-14BK	11/18/1996	<0.48	202	0.33	--	--	--	<0.25
FSW 343-M01-14BK-D	11/18/1996	<0.48	204	0.33	--	--	--	<0.25
FSW 343-M01-15W	11/18/1996	<0.48	242	0.39	--	--	--	<0.25
FSW 343-M02-01PT	11/18/1996	<0.48	219	2.16	--	--	--	<0.25
FSW 343-M02-02GNT	11/18/1996	<0.48	234	1.92	--	--	--	<0.25
FSW 343-M02-03RT	11/18/1996	<0.48	240	1.28	--	--	--	<0.25
FSW 343-M02-04BUT	11/18/1996	<0.48	268	0.70	--	--	--	<0.25
FSW 343-M02-05BKT	11/18/1996	<0.48	242	0.55	--	--	--	<0.25
FSW 343-M02-06WT	11/18/1996	<0.48	370	0.58	--	--	--	<0.25
FSW 343-M02-07O	11/18/1996	<0.48	255	0.81	--	--	--	<0.25
FSW 343-M02-07O-D	11/18/1996	<0.48	260	0.82	--	--	--	<0.25
FSW 343-M02-08GY	11/18/1996	<0.48	250	0.64	--	--	--	<0.25
FSW 343-M02-09Y	11/18/1996	<0.48	221	0.74	--	--	--	<0.25
FSW 343-M02-10P	11/18/1996	<0.48	250	0.82	--	--	--	<0.25
FSW 343-M02-11GN	11/18/1996	<0.48	214	0.65	--	--	--	<0.25
FSW 343-M02-12R	11/18/1996	<0.48	218	0.61	--	--	--	<0.25
FSW 343-M02-13BU	11/18/1996	<0.48	221	0.63	--	--	--	<0.25
FSW 343-M02-14BK	11/18/1996	<0.48	218	0.51	--	--	--	<0.25
FSW 343-M02-15W	11/18/1996	<0.48	185	0.19	--	--	--	<0.25
FSW 343-M03-01PT (1-19)	11/18/1996	<0.48	100	0.17	--	--	--	<0.25
FSW 343-M03-01PT (1-19)-D	11/18/1996	<0.48	102	0.17	--	--	--	<0.25
FSW 343-M03-02GNT (1-19)	11/18/1996	<0.48	105	0.17	--	--	--	<0.25

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
FSW 343-M03-03RT (1-19)	11/18/1996	<0.48	105	0.18	--	--	--	0.57
FSW 343-M03-04BUT (1-19)	11/18/1996	<0.48	130	0.31	--	--	--	1.73
FSW 343-M03-05BKT (1-19)	11/18/1996	<0.48	167	0.41	--	--	--	2.60
FSW 343-M03-06WT (1-19)	11/18/1996	<0.48	159	0.38	--	--	--	2.41
FSW 343-M03-07O (1-19)	11/18/1996	<0.48	181	0.36	--	--	--	2.12
FSW 343-M03-08GY (1-19)	11/18/1996	<0.48	206	0.53	--	--	--	1.74
FSW 343-M03-09Y (1-19)	11/18/1996	<0.48	208	0.79	--	--	--	1.09
FSW 343-M03-10P (1-19)	11/18/1996	<0.48	230	1.46	--	--	--	<0.25
FSW 343-M03-10P (1-19)-D	11/18/1996	<0.48	218	1.36	--	--	--	<0.25
FSW 343-M03-11GN (1-19)	11/18/1996	<0.48	229	1.78	--	--	--	<0.25
FSW 343-M03-12R (1-19)	11/18/1996	<0.48	222	2.11	--	--	--	<0.25
FSW 343-M03-13BU (1-19)	11/18/1996	<0.48	221	2.14	--	--	--	<0.25
FSW 343-M03-14BK (1-19)	11/18/1996	<0.48	218	2.09	--	--	--	<0.25
FSW 343-M03-15W (1-19)	11/18/1996	<0.48	224	2.07	--	--	--	<0.25
FSW 343-M01-01PT	2/19/1997	--	--	--	--	--	--	--
FSW 343-M01-02GNT	2/19/1997	<0.48	162	0.11	--	--	--	<0.25
FSW 343-M01-03RT	2/19/1997	<0.48	158	0.13	--	--	--	<0.25
FSW 343-M01-04BUT	2/19/1997	<0.48	175	0.25	--	--	--	<0.25
FSW 343-M01-05BKT	2/19/1997	<0.48	156	0.19	--	--	--	<0.25
FSW 343-M01-05BKT-D	2/19/1997	<0.48	169	0.20	--	--	--	<0.25
FSW 343-M01-06WT	2/19/1997	<0.48	156	0.09	--	--	--	<0.25
FSW 343-M01-07O	2/19/1997	<0.48	164	0.15	--	--	--	<0.25
FSW 343-M01-08GY	2/19/1997	<0.48	151	0.12	--	--	--	<0.25
FSW 343-M01-09Y	2/19/1997	<0.48	181	0.10	--	--	--	<0.25
FSW 343-M01-10P	2/19/1997	<0.48	186	0.21	--	--	--	<0.25

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
FSW 343-M02-01PT	2/19/1997	--	--	--	--	--	--	--
FSW 343-M02-02GNT	2/19/1997	--	--	--	--	--	--	--
FSW 343-M02-03RT	2/19/1997	<0.48	243	1.38	--	--	--	0.81
FSW 343-M02-04BUT	2/19/1997	<0.48	246	0.82	--	--	--	<0.25
FSW 343-M02-05BKT	2/19/1997	<0.48	247	0.51	--	--	--	<0.25
FSW 343-M02-06WT	2/19/1997	<0.48	252	0.28	--	--	--	<0.25
FSW 343-M02-07O	2/19/1997	<0.48	225	0.80	--	--	--	<0.25
FSW 343-M02-08GY	2/19/1997	<0.48	216	0.61	--	--	--	<0.25
FSW 343-M02-08GY-D	2/19/1997	<0.48	231	0.63	--	--	--	<0.25
FSW 343-M02-09Y	2/19/1997	<0.48	158	0.40	--	--	--	<0.25
FSW 343-M02-10P	2/19/1997	<0.48	209	0.73	--	--	--	<0.25
FSW 343-M02-11GN	2/19/1997	<0.48	214	0.73	--	--	--	<0.25
FSW 343-M02-12R	2/19/1997	<0.48	208	0.65	--	--	--	<0.25
FSW 343-M02-13BU	2/19/1997	<0.48	194	0.34	--	--	--	<0.25
FSW 343-M02-14BK	2/19/1997	<0.48	192	0.36	--	--	--	<0.25
FSW 343-M02-15W	2/19/1997	<0.48	148	0.12	--	--	--	<0.25
FSW 343-M03-01PT (1-19)	2/19/1997	<0.48	94	0.16	--	--	--	<0.25
FSW 343-M03-02GNT (1-19)	2/19/1997	<0.48	113	0.21	--	--	--	0.25
FSW 343-M03-02GNT (1-19)-D	2/19/1997	<0.48	110	0.20	--	--	--	<0.25
FSW 343-M03-03RT (1-19)	2/19/1997	<0.48	127	0.21	--	--	--	0.62
FSW 343-M03-04BUT (1-19)	2/19/1997	<0.48	160	0.37	--	--	--	1.73
FSW 343-M03-05BKT (1-19)	2/19/1997	<0.48	160	0.41	--	--	--	2.60
FSW 343-M03-06WT (1-19)	2/19/1997	<0.48	172	0.47	--	--	--	3.07
FSW 343-M03-07O (1-19)	2/19/1997	<0.48	184	0.75	--	--	--	4.24

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
FSW 343-M03-08GY (1-19)	2/19/1997	<0.48	208	1.12	--	--	--	3.39
FSW 343-M03-09Y (1-19)	2/19/1997	<0.48	225	1.38	--	--	--	1.46
FSW 343-M03-10P (1-19)	2/19/1997	<0.48	230	2.10	--	--	--	<0.25
FSW 343-M03-11GN (1-19)	2/19/1997	<0.48	233	2.61	--	--	--	<0.25
FSW 343-M03-11GN (1-19)-D	2/19/1997	<0.48	246	2.67	--	--	--	<0.25
FSW 343-M03-12R (1-19)	2/19/1997	<0.48	237	2.80	--	--	--	<0.25
FSW 343-M03-13BU (1-19)	2/19/1997	<0.48	251	2.81	--	--	--	<0.25
FSW 343-M03-14BK (1-19)	2/19/1997	<0.48	231	2.42	--	--	--	<0.25
FSW 343-M03-15W (1-19)	2/19/1997	<0.48	239	2.27	--	--	--	<0.25
FSW 343-M01-01PT	5/14/1997	--	--	--	--	--	--	--
FSW 343-M01-02GNT	5/14/1997	<0.48	156	--	--	--	--	0.25
FSW 343-M01-03RT	5/14/1997	<0.48	147	--	--	--	--	<0.25
FSW 343-M01-04BUT	5/14/1997	<0.48	160	--	--	--	--	<0.25
FSW 343-M01-05BKT	5/14/1997	<0.48	145	--	--	--	--	<0.25
FSW 343-M01-06WT	5/14/1997	<0.48	166	--	--	--	--	<0.25
FSW 343-M01-07O	5/14/1997	<0.48	154	--	--	--	--	<0.25
FSW 343-M01-08GY	5/14/1997	<0.48	163	--	--	--	--	<0.25
FSW 343-M01-09Y	5/14/1997	<0.48	179	--	--	--	--	<0.25
FSW 343-M01-09Y-D	5/14/1997	<0.48	180	--	--	--	--	<0.25
FSW 343-M01-10P	5/14/1997	<0.48	182	--	--	--	--	<0.25
FSW 343-M02-01PT	5/15/1997	--	--	--	--	--	--	--
FSW 343-M02-02GNT	5/15/1997	--	--	--	--	--	--	--
FSW 343-M02-03RT	5/15/1997	<0.48	251	--	--	--	--	<0.25
FSW 343-M02-03RT-D	5/15/1997	<0.48	245	--	--	--	--	<0.25

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
FSW 343-M02-04BUT	5/15/1997	<0.48	244	--	--	--	--	<0.25
FSW 343-M02-05BKT	5/15/1997	<0.48	233	--	--	--	--	<0.25
FSW 343-M02-06WT	5/15/1997	<0.48	252	--	--	--	--	<0.25
FSW 343-M02-07O	5/15/1997	<0.48	261	--	--	--	--	<0.25
FSW 343-M02-08GY	5/15/1997	<0.48	245	--	--	--	--	0.48
FSW 343-M02-09Y	5/15/1997	<0.48	214	--	--	--	--	<0.25
FSW 343-M02-10P	5/15/1997	<0.48	172	--	--	--	--	0.64
FSW 343-M02-11GN	5/15/1997	<0.48	188	--	--	--	--	<0.25
FSW 343-M02-12R	5/15/1997	<0.48	190	--	--	--	--	<0.25
FSW 343-M02-12R-D	5/15/1997	<0.48	198	--	--	--	--	<0.25
FSW 343-M02-13BU	5/15/1997	<0.48	185	--	--	--	--	<0.25
FSW 343-M02-14BK	5/15/1997	<0.48	152	--	--	--	--	<0.25
FSW 343-M02-15W	5/15/1997	<0.48	162	--	--	--	--	<0.25
FSW 343-M03-01PT (1-19)	5/15/1997	<0.48	85	--	--	--	--	0.43
FSW 343-M03-02GNT (1-19)	5/15/1997	<0.48	103	--	--	--	--	0.30
FSW 343-M03-03RT (1-19)	5/15/1997	<0.48	126	--	--	--	--	0.53
FSW 343-M03-04BUT (1-19)	5/15/1997	<0.48	145	--	--	--	--	1.63
FSW 343-M03-05BKT (1-19)	5/15/1997	<0.48	157	--	--	--	--	2.70
FSW 343-M03-06WT (1-19)	5/15/1997	<0.48	160	--	--	--	--	2.98
FSW 343-M03-06WT (1-19)-D	5/15/1997	<0.48	163	--	--	--	--	3.01
FSW 343-M03-07O (1-19)	5/15/1997	<0.48	177	--	--	--	--	3.68
FSW 343-M03-08GY (1-19)	5/15/1997	<0.48	188	--	--	--	--	2.76
FSW 343-M03-09Y (1-19)	5/15/1997	<0.48	200	--	--	--	--	1.53
FSW 343-M03-10P (1-19)	5/15/1997	<0.48	221	--	--	--	--	0.39
FSW 343-M03-11GN (1-19)	5/15/1997	<0.48	231	--	--	--	--	<0.25

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; µM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (µM)	Silica, dissolved (µM)	Strontium, dissolved (µM)	Thallium, dissolved (µM)	Uranium, dissolved (µM)	Vanadium, dissolved (µM)	Zinc, dissolved (µM)
FSW 343-M03-12R (1-19)	5/15/1997	<0.48	231	--	--	--	--	<0.25
FSW 343-M03-13BU (1-19)	5/15/1997	<0.48	239	--	--	--	--	0.58
FSW 343-M03-14BK (1-19)	5/15/1997	<0.48	241	--	--	--	--	<0.25
FSW 343-M03-15W (1-19)	5/15/1997	<0.48	240	--	--	--	--	<0.25
FSW 343-M01-01PT	8/6/1997	--	--	--	--	--	--	--
FSW 343-M01-02GNT	8/6/1997	<0.48	160	0.03	--	--	--	<0.25
FSW 343-M01-02GNT-D	8/6/1997	<0.48	159	0.03	--	--	--	<0.25
FSW 343-M01-03RT	8/6/1997	<0.48	169	0.08	--	--	--	<0.25
FSW 343-M01-04BUT	8/6/1997	<0.48	168	0.06	--	--	--	<0.25
FSW 343-M01-05BKT	8/6/1997	<0.48	171	0.05	--	--	--	<0.25
FSW 343-M01-06WT	8/6/1997	<0.48	179	0.13	--	--	--	<0.25
FSW 343-M01-07O	8/6/1997	<0.48	176	0.06	--	--	--	<0.25
FSW 343-M01-08GY	8/6/1997	<0.48	185	0.18	--	--	--	<0.25
FSW 343-M01-09Y	8/6/1997	<0.48	189	0.16	--	--	--	<0.25
FSW 343-M01-10P	8/6/1997	<0.48	195	0.19	--	--	--	<0.25
FSW 343-M02-01PT	8/6/1997	--	--	--	--	--	--	--
FSW 343-M02-02GNT	8/6/1997	--	--	--	--	--	--	--
FSW 343-M02-03RT	8/6/1997	<0.48	252	0.60	--	--	--	<0.25
FSW 343-M02-03RT-D	8/6/1997	<0.48	250	0.60	--	--	--	<0.25
FSW 343-M02-04BUT	8/6/1997	<0.48	223	0.44	--	--	--	<0.25
FSW 343-M02-05BKT	8/6/1997	<0.48	227	0.28	--	--	--	<0.25
FSW 343-M02-06WT	8/6/1997	<0.48	259	0.16	--	--	--	<0.25
FSW 343-M02-07O	8/6/1997	<0.48	279	0.54	--	--	--	<0.25
FSW 343-M02-08GY	8/6/1997	<0.48	273	0.34	--	--	--	<0.25

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
FSW 343-M02-09Y	8/6/1997	<0.48	254	0.34	--	--	--	<0.25
FSW 343-M02-10P	8/6/1997	<0.48	209	0.41	--	--	--	<0.25
FSW 343-M02-11GN	8/6/1997	<0.48	206	0.29	--	--	--	0.28
FSW 343-M02-12R	8/6/1997	<0.48	217	0.23	--	--	--	<0.25
FSW 343-M02-12R-D	8/6/1997	<0.48	217	0.24	--	--	--	<0.25
FSW 343-M02-13BU	8/6/1997	<0.48	212	0.20	--	--	--	<0.25
FSW 343-M02-14BK	8/6/1997	<0.48	190	0.19	--	--	--	<0.25
FSW 343-M02-15W	8/6/1997	<0.48	190	0.10	--	--	--	<0.25
FSW 343-M03-01PT (1-19)	8/7/1997	<0.48	130	0.18	--	--	--	<0.25
FSW 343-M03-02GNT (1-19)	8/7/1997	<0.48	143	0.18	--	--	--	0.25
FSW 343-M03-03RT (1-19)	8/7/1997	<0.48	158	0.15	--	--	--	0.45
FSW 343-M03-04BUT (1-19)	8/7/1997	<0.48	170	0.33	--	--	--	1.52
FSW 343-M03-05BKT (1-19)	8/7/1997	<0.48	177	0.37	--	--	--	2.97
FSW 343-M03-06WT (1-19)	8/7/1997	<0.48	183	0.38	--	--	--	3.14
FSW 343-M03-06WT (1-19)-D	8/7/1997	<0.48	182	0.38	--	--	--	3.19
FSW 343-M03-07O (1-19)	8/7/1997	<0.48	201	0.50	--	--	--	3.16
FSW 343-M03-08GY (1-19)	8/7/1997	<0.48	217	0.44	--	--	--	1.80
FSW 343-M03-09Y (1-19)	8/7/1997	<0.48	237	0.68	--	--	--	1.03
FSW 343-M03-10P (1-19)	8/7/1997	<0.48	246	0.88	--	--	--	0.25
FSW 343-M03-11GN (1-19)	8/7/1997	<0.48	239	1.07	--	--	--	<0.25
FSW 343-M03-12R (1-19)	8/7/1997	<0.48	240	1.16	--	--	--	<0.25
FSW 343-M03-13BU (1-19)	8/7/1997	<0.48	242	1.17	--	--	--	0.26
FSW 343-M03-14BK (1-19)	8/7/1997	<0.48	248	1.01	--	--	--	<0.25
FSW 343-M03-15W (1-19)	8/7/1997	<0.48	255	0.69	--	--	--	<0.25

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
FSW 343-M01-01PT	10/30/1997	--	--	--	--	--	--	--
FSW 343-M01-02GNT	10/30/1997	<0.48	162	0.03	--	--	--	<0.25
FSW 343-M01-02GNT-D	10/30/1997	<0.48	168	0.02	--	--	--	<0.25
FSW 343-M01-03RT	10/30/1997	<0.48	162	0.07	--	--	--	<0.25
FSW 343-M01-04BUT	10/30/1997	<0.48	161	0.06	--	--	--	<0.25
FSW 343-M01-05BKT	10/30/1997	<0.48	165	0.13	--	--	--	<0.25
FSW 343-M01-06WT	10/30/1997	<0.48	163	0.15	--	--	--	<0.25
FSW 343-M01-07O	10/30/1997	<0.48	168	0.07	--	--	--	<0.25
FSW 343-M01-08GY	10/30/1997	<0.48	171	0.25	--	--	--	<0.25
FSW 343-M01-09Y	10/30/1997	<0.48	173	0.16	--	--	--	<0.25
FSW 343-M01-10P	10/30/1997	<0.48	180	0.19	--	--	--	<0.25
FSW 343-M02-01PT	10/30/1997	--	--	--	--	--	--	--
FSW 343-M02-02GNT	10/30/1997	--	--	--	--	--	--	--
FSW 343-M02-03RT	10/30/1997	<0.48	227	0.45	--	--	--	<0.25
FSW 343-M02-03RT-D	10/30/1997	<0.48	243	0.47	--	--	--	<0.25
FSW 343-M02-04BUT	10/30/1997	<0.48	199	0.59	--	--	--	<0.25
FSW 343-M02-05BKT	10/30/1997	<0.48	198	0.43	--	--	--	<0.25
FSW 343-M02-06WT	10/30/1997	<0.48	220	0.17	--	--	--	<0.25
FSW 343-M02-07O	10/30/1997	<0.48	254	0.23	--	--	--	<0.25
FSW 343-M02-08GY	10/30/1997	<0.48	245	0.18	--	--	--	<0.25
FSW 343-M02-09Y	10/30/1997	<0.48	237	0.30	--	--	--	<0.25
FSW 343-M02-10P	10/30/1997	<0.48	209	0.27	--	--	--	<0.25
FSW 343-M02-11GN	10/30/1997	<0.48	211	0.32	--	--	--	<0.25
FSW 343-M02-12R	10/30/1997	<0.48	194	0.22	--	--	--	<0.25
FSW 343-M02-12R-D	10/30/1997	<0.48	204	0.23	--	--	--	<0.25

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
FSW 343-M02-13BU	10/30/1997	<0.48	184	0.21	--	--	--	<0.25
FSW 343-M02-14BK	10/30/1997	<0.48	171	0.22	--	--	--	<0.25
FSW 343-M02-15W	10/30/1997	<0.48	172	0.10	--	--	--	<0.25
FSW 343-M03-01PT (1-19)	10/30/1997	<0.48	113	0.19	--	--	--	<0.25
FSW 343-M03-02GNT (1-19)	10/30/1997	<0.48	135	0.16	--	--	--	<0.25
FSW 343-M03-03RT (1-19)	10/30/1997	<0.48	146	0.15	--	--	--	0.27
FSW 343-M03-04BUT (1-19)	10/30/1997	<0.48	151	0.34	--	--	--	1.25
FSW 343-M03-05BKT (1-19)	10/30/1997	<0.48	157	0.31	--	--	--	2.28
FSW 343-M03-06WT (1-19)	10/30/1997	<0.48	167	0.36	--	--	--	2.59
FSW 343-M03-06WT (1-19)-D	10/30/1997	<0.48	176	0.37	--	--	--	2.45
FSW 343-M03-07O (1-19)	10/30/1997	<0.48	181	0.51	--	--	--	2.74
FSW 343-M03-08GY (1-19)	10/30/1997	<0.48	205	0.90	--	--	--	3.02
FSW 343-M03-09Y (1-19)	10/30/1997	<0.48	218	1.00	--	--	--	1.07
FSW 343-M03-10P (1-19)	10/30/1997	<0.48	219	1.08	--	--	--	<0.25
FSW 343-M03-11GN (1-19)	10/30/1997	<0.48	221	1.15	--	--	--	<0.25
FSW 343-M03-12R (1-19)	10/30/1997	<0.48	223	1.31	--	--	--	<0.25
FSW 343-M03-13BU (1-19)	10/30/1997	<0.48	222	1.15	--	--	--	<0.25
FSW 343-M03-14BK (1-19)	10/30/1997	<0.48	229	0.98	--	--	--	<0.25
FSW 343-M03-15W (1-19)	10/30/1997	<0.48	226	0.75	--	--	--	<0.25
FSW 343-M01-01PT	6/2/1998	--	--	--	--	--	--	--
FSW 343-M01-02GNT	6/2/1998	<0.48	170	0.06	--	--	--	<0.25
FSW 343-M01-03RT	6/2/1998	<0.48	180	0.07	--	--	--	<0.25
FSW 343-M01-04BUT	6/2/1998	<0.48	179	0.06	--	--	--	0.31
FSW 343-M01-05BKT	6/2/1998	<0.48	177	0.12	--	--	--	0.28

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
FSW 343-M01-06WT	6/2/1998	<0.48	179	0.17	--	--	--	<0.25
FSW 343-M01-07O	6/2/1998	<0.48	183	0.12	--	--	--	0.30
FSW 343-M01-08GY	6/2/1998	<0.48	187	0.27	--	--	--	0.25
FSW 343-M01-09Y	6/2/1998	<0.48	188	0.16	--	--	--	<0.25
FSW 343-M01-09Y-D	6/2/1998	<0.48	188	0.16	--	--	--	0.32
FSW 343-M01-10P	6/2/1998	<0.48	193	0.17	--	--	--	0.38
FSW 343-M01-14BK	6/2/1998	<0.48	205	0.37	--	--	--	<0.25
FSW 343-M01-15W	6/2/1998	<0.48	227	0.35	--	--	--	0.39
FSW 343-M02-01PT	6/2/1998	--	--	--	--	--	--	--
FSW 343-M02-02GNT	6/2/1998	--	--	--	--	--	--	--
FSW 343-M02-03RT	6/2/1998	<0.48	212	0.63	--	--	--	0.27
FSW 343-M02-04BUT	6/2/1998	<0.48	200	0.42	--	--	--	<0.25
FSW 343-M02-05BKT	6/2/1998	<0.48	214	0.32	--	--	--	<0.25
FSW 343-M02-06WT	6/2/1998	<0.48	224	0.13	--	--	--	0.25
FSW 343-M02-07O	6/2/1998	<0.48	257	0.22	--	--	--	0.26
FSW 343-M02-08GY	6/2/1998	<0.48	234	0.21	--	--	--	<0.25
FSW 343-M02-09Y	6/2/1998	<0.48	244	0.44	--	--	--	<0.25
FSW 343-M02-10P	6/2/1998	<0.48	240	0.39	--	--	--	<0.25
FSW 343-M02-10P-D	6/2/1998	<0.48	243	0.39	--	--	--	<0.25
FSW 343-M02-11GN	6/2/1998	<0.48	242	0.40	--	--	--	<0.25
FSW 343-M02-12R	6/2/1998	<0.48	213	0.27	--	--	--	0.33
FSW 343-M02-13BU	6/2/1998	<0.48	194	0.15	--	--	--	<0.25
FSW 343-M02-14BK	6/2/1998	<0.48	184	0.22	--	--	--	<0.25
FSW 343-M02-15W	6/2/1998	<0.48	182	0.08	--	--	--	0.30

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
FSW 343-M03-01PT (1-19)	6/2/1998	<0.48	98	0.19	--	--	--	<0.25
FSW 343-M03-02GNT (1-19)	6/2/1998	<0.48	111	0.17	--	--	--	<0.25
FSW 343-M03-03RT (1-19)	6/2/1998	<0.48	133	0.15	--	--	--	0.42
FSW 343-M03-04BUT (1-19)	6/2/1998	<0.48	146	0.27	--	--	--	1.59
FSW 343-M03-04BUT (1-19)-D	6/2/1998	<0.48	148	0.27	--	--	--	1.48
FSW 343-M03-05BKT (1-19)	6/2/1998	<0.48	159	0.40	--	--	--	3.36
FSW 343-M03-06WT (1-19)	6/2/1998	<0.48	167	0.50	--	--	--	3.93
FSW 343-M03-07O (1-19)	6/2/1998	<0.48	191	0.62	--	--	--	3.82
FSW 343-M03-08GY (1-19)	6/2/1998	<0.48	203	0.77	--	--	--	2.77
FSW 343-M03-09Y (1-19)	6/2/1998	<0.48	216	0.78	--	--	--	1.08
FSW 343-M03-10P (1-19)	6/2/1998	<0.48	233	1.19	--	--	--	<0.25
FSW 343-M03-11GN (1-19)	6/2/1998	<0.48	237	1.33	--	--	--	<0.25
FSW 343-M03-12R (1-19)	6/2/1998	<0.48	243	1.28	--	--	--	<0.25
FSW 343-M03-13BU (1-19)	6/2/1998	<0.48	239	1.12	--	--	--	<0.25
FSW 343-M03-14BK (1-19)	6/2/1998	<0.48	243	1.36	--	--	--	<0.25
FSW 343-M03-15W (1-19)	6/2/1998	<0.48	246	1.48	--	--	--	<0.25
FSW 343-M01-01PT	11/10/1998	--	--	--	--	--	--	--
FSW 343-M01-02GNT	11/10/1998	<0.48	191	0.11	--	--	--	0.26
FSW 343-M01-03RT	11/10/1998	<0.48	195	0.13	--	--	--	<0.25
FSW 343-M01-04BUT	11/10/1998	<0.48	190	0.12	--	--	--	<0.25
FSW 343-M01-05BKT	11/10/1998	<0.48	203	0.31	--	--	--	0.33
FSW 343-M01-06WT	11/10/1998	<0.48	193	0.28	--	--	--	<0.25
FSW 343-M01-07O	11/10/1998	<0.48	221	0.33	--	--	--	0.28
FSW 343-M01-08GY	11/10/1998	<0.48	196	0.32	--	--	--	0.25
FSW 343-M01-09Y	11/10/1998	<0.04	188	0.16	--	--	--	<0.25

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
FSW 343-M01-09Y-D	11/10/1998	<0.48	199	0.17	--	--	--	0.30
FSW 343-M01-10P	11/10/1998	<0.48	200	0.16	--	--	--	0.27
FSW 343-M02-01PT	11/10/1998	--	--	--	--	--	--	--
FSW 343-M02-02GNT	11/10/1998	--	--	--	--	--	--	--
FSW 343-M02-03RT	11/10/1998	<0.48	221	0.64	--	--	--	0.35
FSW 343-M02-04BUT	11/10/1998	<0.48	211	0.64	--	--	--	0.37
FSW 343-M02-05BKT	11/10/1998	<0.48	236	0.42	--	--	--	0.32
FSW 343-M02-06WT	11/10/1998	<0.48	241	0.18	--	--	--	0.27
FSW 343-M02-07O	11/10/1998	<0.48	262	0.39	--	--	--	<0.25
FSW 343-M02-08GY	11/10/1998	<0.48	269	0.30	--	--	--	0.33
FSW 343-M02-09Y	11/10/1998	<0.48	254	0.37	--	--	--	<0.25
FSW 343-M02-10P	11/10/1998	<0.48	266	0.49	--	--	--	0.26
FSW 343-M02-10P-D	11/10/1998	<0.48	262	0.49	--	--	--	<0.25
FSW 343-M02-11GN	11/10/1998	<0.48	237	0.39	--	--	--	0.25
FSW 343-M02-12R	11/10/1998	<0.48	205	0.19	--	--	--	<0.25
FSW 343-M02-13BU	11/10/1998	<0.48	189	0.10	--	--	--	<0.25
FSW 343-M02-14BK	11/10/1998	<0.48	194	0.16	--	--	--	0.35
FSW 343-M02-15W	11/10/1998	<0.48	199	0.10	--	--	--	<0.25
FSW 343-M03-01PT (1-19)	11/10/1998	<0.48	144	0.22	--	--	--	0.37
FSW 343-M03-02GNT (1-19)	11/10/1998	<0.48	148	0.17	--	--	--	0.32
FSW 343-M03-03RT (1-19)	11/10/1998	<0.48	156	0.17	--	--	--	0.39
FSW 343-M03-04BUT (1-19)	11/10/1998	<0.48	161	0.36	--	--	--	2.02
FSW 343-M03-04BUT (1-19)-D	11/10/1998	<0.48	168	0.38	--	--	--	2.14
FSW 343-M03-05BKT (1-19)	11/10/1998	<0.48	205	0.50	--	--	--	3.35

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
FSW 343-M03-06WT (1-19)	11/10/1998	<0.48	195	0.56	--	--	--	3.85
FSW 343-M03-07O (1-19)	11/10/1998	<0.48	213	0.74	--	--	--	4.36
FSW 343-M03-08GY (1-19)	11/10/1998	<0.48	240	1.04	--	--	--	3.52
FSW 343-M03-09Y (1-19)	11/10/1998	<0.48	262	1.24	--	--	--	1.33
FSW 343-M03-10P (1-19)	11/10/1998	<0.48	266	1.17	--	--	--	0.36
FSW 343-M03-11GN (1-19)	11/10/1998	<0.48	249	1.00	--	--	--	0.32
FSW 343-M03-12R (1-19)	11/10/1998	<0.48	240	0.92	--	--	--	0.30
FSW 343-M03-13BU (1-19)	11/10/1998	<0.48	228	0.78	--	--	--	0.43
FSW 343-M03-14BK (1-19)	11/10/1998	<0.48	234	0.81	--	--	--	<0.25
FSW 343-M03-15W (1-19)	11/10/1998	<0.48	248	0.82	--	--	--	<0.25
FSW 343-M01-02GNT	6/8/1999	<0.48	198	0.14	--	--	--	<0.25
FSW 343-M01-03RT	6/8/1999	<0.48	191	0.10	--	--	--	<0.25
FSW 343-M01-03RT-D	6/8/1999	<0.48	196	0.10	--	--	--	<0.25
FSW 343-M01-04BUT	6/8/1999	<0.48	192	0.18	--	--	--	<0.25
FSW 343-M01-05BKT	6/8/1999	<0.48	185	0.34	--	--	--	<0.25
FSW 343-M01-06WT	6/8/1999	<0.48	187	0.32	--	--	--	<0.25
FSW 343-M01-07O	6/8/1999	<0.48	190	0.15	--	--	--	<0.25
FSW 343-M01-08GY	6/8/1999	<0.48	190	0.30	--	--	--	<0.25
FSW 343-M01-09Y	6/8/1999	<0.48	190	0.19	--	--	--	<0.25
FSW 343-M01-10P	6/8/1999	<0.48	196	0.15	--	--	--	<0.25
FSW 343-M02-01PT	6/8/1999	--	--	--	--	--	--	--
FSW 343-M02-02GNT	6/8/1999	--	--	--	--	--	--	--
FSW 343-M02-03RT	6/8/1999	<0.48	213	0.80	--	--	--	<0.25
FSW 343-M02-04BUT	6/8/1999	<0.48	221	0.78	--	--	--	<0.25

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
FSW 343-M02-05BKT	6/8/1999	<0.48	228	0.48	--	--	--	<0.25
FSW 343-M02-06WT	6/8/1999	<0.48	240	0.16	--	--	--	<0.25
FSW 343-M02-07O	6/8/1999	<0.48	233	0.28	--	--	--	<0.25
FSW 343-M02-08GY	6/8/1999	<0.48	241	0.25	--	--	--	<0.25
FSW 343-M02-09Y	6/8/1999	<0.48	232	0.26	--	--	--	<0.25
FSW 343-M02-09Y-D	6/8/1999	<0.48	231	0.25	--	--	--	<0.25
FSW 343-M02-10P	6/8/1999	<0.48	217	0.34	--	--	--	<0.25
FSW 343-M02-11GN	6/8/1999	<0.48	198	0.25	--	--	--	<0.25
FSW 343-M02-12R	6/8/1999	<0.48	193	0.14	--	--	--	<0.25
FSW 343-M02-13BU	6/8/1999	<0.48	190	0.09	--	--	--	<0.25
FSW 343-M02-14BK	6/8/1999	<0.48	190	0.12	--	--	--	<0.25
FSW 343-M02-15W	6/8/1999	<0.48	184	0.07	--	--	--	<0.25
FSW 343-M03-01PT (1-19)	6/8/1999	<0.48	92	0.18	--	--	--	<0.25
FSW 343-M03-02GNT (1-19)	6/8/1999	<0.48	129	0.12	--	--	--	<0.25
FSW 343-M03-03RT (1-19)	6/8/1999	<0.48	155	0.29	--	--	--	0.50
FSW 343-M03-04BUT (1-19)	6/8/1999	<0.48	175	0.72	--	--	--	4.25
FSW 343-M03-05BKT (1-19)	6/8/1999	<0.48	191	0.78	--	--	--	5.46
FSW 343-M03-06WT (1-19)	6/8/1999	<0.48	200	0.79	--	--	--	5.20
FSW 343-M03-06WT (1-19)-D	6/8/1999	<0.48	207	0.81	--	--	--	5.38
FSW 343-M03-07O (1-19)	6/8/1999	<0.48	211	0.73	--	--	--	3.93
FSW 343-M03-08GY (1-19)	6/8/1999	<0.48	223	0.84	--	--	--	2.85
FSW 343-M03-09Y (1-19)	6/8/1999	<0.48	216	0.92	--	--	--	1.15
FSW 343-M03-10P (1-19)	6/8/1999	<0.48	209	0.89	--	--	--	<0.25
FSW 343-M03-11GN (1-19)	6/8/1999	<0.48	201	0.93	--	--	--	<0.25
FSW 343-M03-12R (1-19)	6/8/1999	<0.48	198	0.90	--	--	--	<0.25

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
FSW 343-M03-13BU (1-19)	6/8/1999	<0.48	195	0.78	--	--	--	<0.25
FSW 343-M03-14BK (1-19)	6/8/1999	<0.48	204	0.85	--	--	--	<0.25
FSW 343-M03-14BK (1-19)-D	6/8/1999	<0.48	196	0.83	--	--	--	<0.25
FSW 343-M03-15W (1-19)	6/8/1999	<0.48	197	0.87	--	--	--	<0.25
FSW 343-M01-01PT	6/13/2000	--	--	--	--	--	--	--
FSW 343-M01-02GNT	6/13/2000	<0.04	136	0.21	--	--	<0.3	0.24
FSW 343-M01-03RT	6/13/2000	<0.04	132	0.23	--	--	<0.3	0.27
FSW 343-M01-04BUT	6/13/2000	<0.04	135	0.39	--	--	<0.3	0.14
FSW 343-M01-05BKT	6/13/2000	<0.04	132	0.25	--	--	<0.3	0.25
FSW 343-M01-06WT	6/13/2000	<0.04	132	0.28	--	--	<0.3	0.18
FSW 343-M01-06WT-D	6/13/2000	<0.04	134	0.30	--	--	<0.3	0.24
FSW 343-M01-07O	6/13/2000	<0.04	135	0.18	--	--	<0.3	0.20
FSW 343-M01-08GY	6/13/2000	<0.04	134	0.40	--	--	<0.3	0.24
FSW 343-M01-09Y	6/13/2000	<0.04	135	0.25	--	--	<0.3	0.19
FSW 343-M01-09Y-D	6/13/2000	<0.04	128	0.22	--	--	<0.3	0.20
FSW 343-M01-10P	6/13/2000	<0.04	139	0.23	--	--	<0.3	0.25
FSW 343-M02-01PT	6/14/2000	--	--	--	--	--	--	--
FSW 343-M02-02GNT	6/14/2000	--	--	--	--	--	--	--
FSW 343-M02-03RT	6/14/2000	<0.04	239	0.99	--	--	<0.3	0.31
FSW 343-M02-04BUT	6/14/2000	<0.04	234	0.74	--	--	<0.3	0.20
FSW 343-M02-05BKT	6/14/2000	<0.04	254	0.66	--	--	<0.3	0.18
FSW 343-M02-06WT	6/14/2000	<0.04	260	0.36	--	--	<0.3	0.22
FSW 343-M02-07O	6/13/2000	<0.04	279	0.54	--	--	<0.3	0.23
FSW 343-M02-08GY	6/13/2000	<0.04	273	0.43	--	--	<0.3	0.23

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
FSW 343-M02-09Y	6/13/2000	<0.04	274	0.58	--	--	<0.3	0.29
FSW 343-M02-10P	6/13/2000	<0.04	256	0.93	--	--	<0.3	0.24
FSW 343-M02-11GN	6/13/2000	<0.04	261	0.89	--	--	<0.3	0.29
FSW 343-M02-13BU	6/13/2000	<0.04	251	0.15	--	--	<0.3	0.29
FSW 343-M02-13BU-D	6/13/2000	<0.04	218	0.13	--	--	<0.3	0.25
FSW 343-M02-14BK	6/13/2000	<0.04	205	0.21	--	--	<0.3	0.21
FSW 343-M02-15W	6/13/2000	<0.04	210	0.14	--	--	<0.3	0.31
FSW 343-M03-01PT (1-19)	6/14/2000	<0.04	95	0.25	--	--	<0.3	0.28
FSW 343-M03-02GNT (1-19)	6/14/2000	<0.04	182	1.25	--	--	<0.3	0.31
FSW 343-M03-03RT (1-19)	6/14/2000	<0.04	112	0.41	--	--	<0.3	1.39
FSW 343-M03-03RT (1-19)-D	6/14/2000	<0.04	108	0.38	--	--	<0.3	1.38
FSW 343-M03-04BUT (1-19)	6/14/2000	<0.04	127	0.70	--	--	<0.3	4.18
FSW 343-M03-05BKT (1-19)	6/14/2000	<0.04	135	0.90	--	--	<0.3	5.34
FSW 343-M03-06WT (1-19)	6/14/2000	<0.04	135	0.89	--	--	<0.3	4.94
FSW 343-M03-06WT (1-19)-X	6/14/2000	<0.04	136	0.01	--	--	<0.3	0.43
FSW 343-M03-07O (1-19)	6/14/2000	<0.04	135	0.92	--	--	<0.3	4.25
FSW 343-M03-08GY (1-19)	6/14/2000	<0.04	213	1.06	--	--	<0.3	3.49
FSW 343-M03-08GY (1-19)-X	6/14/2000	<0.04	133	0.00	--	--	<0.3	0.31
FSW 343-M03-09Y (1-19)	6/14/2000	<0.04	212	1.19	--	--	<0.3	1.90
FSW 343-M03-10P (1-19)	6/14/2000	<0.04	198	1.17	--	--	<0.3	0.33
FSW 343-M03-11GN (1-19)	6/14/2000	<0.04	95	0.24	--	--	<0.3	0.30
FSW 343-M03-11GN (1-19)-D	6/14/2000	<0.04	94	0.23	--	--	<0.3	0.24
FSW 343-M03-12R (1-19)	6/14/2000	<0.04	197	1.25	--	--	<0.3	0.26
FSW 343-M03-13BU (1-19)	6/14/2000	<0.04	186	1.03	--	--	<0.3	0.23
FSW 343-M03-14BK (1-19)	6/14/2000	<0.04	202	0.98	--	--	<0.3	0.25

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
FSW 343-M03-15W (1-19)	6/14/2000	<0.04	203	1.09	--	--	<0.3	0.34
FSW 343-M01-01PT	6/18/2002	--	--	--	--	--	--	--
FSW 343-M01-02GNT	6/18/2002	<0.04	155	0.23	<0.24	--	<0.3	0.05
FSW 343-M01-03RT	6/18/2002	<0.04	157	0.19	<0.24	--	<0.3	0.07
FSW 343-M01-04BUT	6/18/2002	<0.04	158	0.16	<0.24	--	<0.3	0.05
FSW 343-M01-05BKT	6/18/2002	<0.04	156	0.18	<0.24	--	<0.3	0.07
FSW 343-M01-06WT	6/18/2002	<0.04	157	0.28	<0.24	--	<0.3	0.06
FSW 343-M01-07O	6/18/2002	<0.04	159	0.22	<0.24	--	<0.3	0.10
FSW 343-M01-07O-D	6/18/2002	<0.04	159	0.22	<0.24	--	<0.3	0.11
FSW 343-M01-08GY	6/18/2002	<0.04	158	0.40	<0.24	--	<0.3	0.08
FSW 343-M01-09Y	6/18/2002	<0.04	159	0.25	<0.24	--	<0.3	0.13
FSW 343-M01-10P	6/18/2002	<0.04	159	0.16	<0.24	--	<0.3	0.06
FSW 343-M02-01PT	6/18/2002	--	--	--	--	--	--	--
FSW 343-M02-02GNT	6/18/2002	--	--	--	--	--	--	--
FSW 343-M02-03RT	6/18/2002	<0.04	156	0.62	<0.24	--	<0.3	<0.04
FSW 343-M02-04BUT	6/18/2002	<0.04	155	0.46	<0.24	--	<0.3	<0.04
FSW 343-M02-05BKT	6/18/2002	<0.04	160	0.42	<0.24	--	<0.3	<0.04
FSW 343-M02-06WT	6/18/2002	<0.04	167	0.23	<0.24	--	<0.3	0.05
FSW 343-M02-07O	6/18/2002	<0.04	177	0.27	<0.24	--	<0.3	0.04
FSW 343-M02-08GY	6/18/2002	<0.04	176	0.23	<0.24	--	<0.3	0.05
FSW 343-M02-09Y	6/18/2002	<0.04	259	0.17	<0.24	--	<0.3	0.06
FSW 343-M02-10P	6/18/2002	<0.04	271	0.53	<0.24	--	<0.3	0.09
FSW 343-M02-11GN	6/18/2002	<0.04	250	0.27	<0.24	--	<0.3	0.10
FSW 343-M02-12R	6/18/2002	<0.04	198	0.12	<0.24	--	<0.3	0.10

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
FSW 343-M02-13BU	6/18/2002	<0.04	158	0.10	<0.24	--	<0.3	0.08
FSW 343-M02-14BK	6/18/2002	<0.04	160	0.19	<0.24	--	<0.3	0.08
FSW 343-M02-15W	6/18/2002	<0.04	148	0.20	<0.24	--	<0.3	0.08
FSW 343-M02-15W-D	6/18/2002	<0.04	148	0.20	<0.24	--	<0.3	0.06
FSW 343-M03-01PT (1-19)	6/18/2002	--	--	--	--	--	--	--
FSW 343-M03-02GNT (1-19)	6/18/2002	<0.04	154	0.71	<0.24	--	<0.3	0.10
FSW 343-M03-03RT (1-19)	6/18/2002	<0.04	95	0.23	<0.24	--	<0.3	0.90
FSW 343-M03-04BUT (1-19)	6/18/2002	<0.04	130	0.35	<0.24	--	<0.3	2.10
FSW 343-M03-05BKT (1-19)	6/18/2002	<0.04	147	0.48	<0.24	--	<0.3	3.27
FSW 343-M03-06WT (1-19)	6/18/2002	<0.04	150	0.57	<0.24	--	<0.3	3.53
FSW 343-M03-06WT (1-19)-D	6/18/2002	<0.04	149	0.56	<0.24	--	<0.3	3.39
FSW 343-M03-06WT (1-19)-X	6/18/2002	<0.04	151	<0.006	<0.24	--	<0.3	<0.04
FSW 343-M03-07O (1-19)	6/18/2002	<0.04	150	0.61	<0.24	--	<0.3	3.10
FSW 343-M03-08GY (1-19)	6/18/2002	<0.04	154	0.67	<0.24	--	<0.3	2.17
FSW 343-M03-08GY (1-19)-X	6/18/2002	<0.04	152	<0.006	<0.24	--	<0.3	<0.04
FSW 343-M03-09Y (1-19)	6/18/2002	<0.04	154	0.68	<0.24	--	<0.3	0.67
FSW 343-M03-10P (1-19)	6/18/2002	<0.04	152	0.68	<0.24	--	<0.3	0.08
FSW 343-M03-12R (1-19)	6/18/2002	<0.04	149	0.66	<0.24	--	<0.3	0.05
FSW 343-M03-13BU (1-19)	6/18/2002	<0.04	149	0.68	<0.24	--	<0.3	<0.04
FSW 343-M03-14BK (1-19)	6/18/2002	<0.04	150	0.73	<0.24	--	<0.3	0.04
FSW 343-M03-15W (1-19)	6/18/2002	<0.04	153	0.71	<0.24	--	<0.3	<0.04
FSW 343-M01-01PT	8/24/2004	<0.04	189	0.08	<0.24	<0.25	<0.3	0.06
FSW 343-M01-02GNT	8/24/2004	<0.04	185	0.12	<0.24	<0.25	<0.3	0.05
FSW 343-M01-03RT	8/24/2004	<0.04	202	0.19	<0.24	<0.25	<0.3	1.12

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
FSW 343-M01-05BKT	8/24/2004	<0.04	186	0.19	<0.24	<0.25	<0.3	2.39
FSW 343-M01-05BKT-D	8/24/2004	<0.04	186	0.19	<0.24	<0.25	<0.3	1.60
FSW 343-M01-06WT	8/24/2004	<0.04	189	0.36	<0.24	<0.25	<0.3	2.02
FSW 343-M01-07O	8/24/2004	<0.04	203	0.32	<0.24	<0.25	<0.3	2.47
FSW 343-M01-08GY	8/24/2004	<0.04	202	0.45	<0.24	<0.25	<0.3	0.09
FSW 343-M01-09Y	8/24/2004	<0.04	196	0.27	<0.24	<0.25	<0.3	2.28
FSW 343-M01-10P	8/24/2004	<0.04	202	0.17	<0.24	<0.25	<0.3	3.30
FSW 343-M01-11GN	8/24/2004	<0.04	217	0.19	<0.24	<0.25	<0.3	3.39
FSW 343-M01-12R	8/24/2004	<0.04	210	0.24	<0.24	<0.25	<0.3	2.78
FSW 343-M01-13BU	8/24/2004	<0.04	204	0.16	<0.24	<0.25	<0.3	0.14
FSW 343-M01-13BU-D	8/24/2004	<0.04	202	0.15	<0.24	<0.25	<0.3	2.32
FSW 343-M01-14BK	8/24/2004	<0.04	212	0.19	<0.24	<0.25	<0.3	2.56
FSW 343-M01-15W	8/24/2004	<0.04	219	0.23	<0.24	<0.25	<0.3	2.84
FSW 343-M02-01PT	8/23/2004	<0.04	202	0.58	<0.24	<0.25	<0.3	0.06
FSW 343-M02-02GNT	8/23/2004	<0.04	182	0.55	<0.24	<0.25	<0.3	6.72
FSW 343-M02-03RT	8/23/2004	<0.04	188	0.47	<0.24	<0.25	<0.3	4.48
FSW 343-M02-04BUT	8/23/2004	<0.04	209	0.34	<0.24	<0.25	<0.3	4.45
FSW 343-M02-05BKT	8/23/2004	<0.04	212	0.32	<0.24	<0.25	<0.3	0.42
FSW 343-M02-05BKT-D	8/23/2004	<0.04	202	0.32	<0.24	<0.25	<0.3	5.01
FSW 343-M02-06WT	8/23/2004	<0.04	208	0.16	<0.24	<0.25	<0.3	0.06
FSW 343-M02-07O	8/23/2004	<0.04	224	0.11	<0.24	<0.25	<0.3	0.43
FSW 343-M02-08GY	8/23/2004	<0.04	232	0.12	<0.24	<0.25	<0.3	0.34
FSW 343-M02-09Y	8/23/2004	<0.04	222	0.05	<0.24	<0.25	<0.3	0.06
FSW 343-M02-10P	8/23/2004	<0.04	224	0.19	<0.24	<0.25	<0.3	0.28
FSW 343-M02-11GN	8/23/2004	<0.04	204	0.07	<0.24	<0.25	<0.3	0.28

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
FSW 343-M02-12R	8/23/2004	<0.04	199	0.04	<0.24	<0.25	<0.3	3.36
FSW 343-M02-14BK	8/23/2004	<0.04	195	0.07	<0.24	<0.25	<0.3	0.09
FSW 343-M02-15W	8/23/2004	<0.04	179	0.11	<0.24	<0.25	<0.3	0.59
FSW 343-M03-01PT (1-19)	8/24/2004	<0.04	108	0.14	<0.24	<0.25	<0.3	0.08
FSW 343-M03-02GNT (1-19)	8/24/2004	<0.04	139	0.12	<0.24	<0.25	<0.3	0.81
FSW 343-M03-03RT (1-19)	8/24/2004	<0.04	155	0.11	<0.24	<0.25	<0.3	2.81
FSW 343-M03-04BUT (1-19)	8/24/2004	<0.04	158	0.23	<0.24	<0.25	<0.3	3.65
FSW 343-M03-05BKT (1-19)	8/24/2004	<0.04	164	0.29	<0.24	<0.25	<0.3	2.49
FSW 343-M03-06WT (1-19)	8/24/2004	<0.04	170	0.33	<0.24	<0.25	<0.3	2.42
FSW 343-M03-06WT (1-19)-D	8/24/2004	<0.04	172	0.33	<0.24	<0.25	<0.3	6.05
FSW 343-M03-07O (1-19)	8/24/2004	<0.04	177	0.38	<0.24	<0.25	<0.3	5.38
FSW 343-M03-08GY (1-19)	8/24/2004	<0.04	209	0.55	<0.24	<0.25	<0.3	7.52
FSW 343-M03-09Y (1-19)	8/24/2004	<0.04	203	0.62	<0.24	<0.25	<0.3	1.35
FSW 343-M03-10P (1-19)	8/24/2004	<0.04	203	0.60	<0.24	<0.25	<0.3	2.69
FSW 343-M03-11GN (1-19)	8/24/2004	<0.04	192	0.58	<0.24	<0.25	<0.3	0.06
FSW 343-M03-12R (1-19)	8/24/2004	<0.04	187	0.57	<0.24	<0.25	<0.3	3.40
FSW 343-M03-13BU (1-19)	8/24/2004	<0.04	178	0.52	<0.24	<0.25	<0.3	3.63
FSW 343-M03-14BK (1-19)	8/24/2004	<0.04	178	0.55	<0.24	<0.25	<0.3	3.22
FSW 343-M03-15W (1-19)	8/24/2004	<0.04	176	0.54	<0.24	<0.25	<0.3	0.09
FSW 424-M01-01PT	12/1/1994	<0.48	251	--	--	--	--	<0.25
FSW 424-M01-02GNT	12/1/1994	<0.48	246	--	--	--	--	<0.25
FSW 424-M01-03RT	12/1/1994	<0.48	241	--	--	--	--	<0.25
FSW 424-M01-04BUT	12/1/1994	<0.48	238	--	--	--	--	0.44
FSW 424-M01-05BKT	12/1/1994	<0.48	234	--	--	--	--	<0.25

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
FSW 424-M01-06WT	12/1/1994	<0.48	233	--	--	--	--	<0.25
FSW 424-M01-07O	12/1/1994	<0.48	228	--	--	--	--	<0.25
FSW 424-M01-08GY	12/1/1994	<0.48	230	--	--	--	--	<0.25
FSW 424-M01-09Y	12/1/1994	<0.48	224	--	--	--	--	<0.25
FSW 424-M01-10P	12/1/1994	<0.48	216	--	--	--	--	<0.25
FSW 424-M01-11GN	12/1/1994	<0.48	201	--	--	--	--	<0.25
FSW 424-M01-12R	12/1/1994	<0.48	194	--	--	--	--	<0.25
FSW 424-M01-13BU	12/1/1994	<0.48	204	--	--	--	--	<0.25
FSW 424-M01-13BU-D	12/1/1994	<0.48	212	--	--	--	--	<0.25
FSW 424-M01-14BK	12/1/1994	<0.48	257	--	--	--	--	<0.25
FSW 424-M01-15W	12/1/1994	<0.48	292	--	--	--	--	<0.25
FSW 424-M02-01PT (72-13)	12/2/1994	<0.48	103	--	--	--	--	<0.25
FSW 424-M02-02GNT (72-13)	12/2/1994	<0.48	103	--	--	--	--	<0.25
FSW 424-M02-03RT (72-13)	12/2/1994	<0.48	101	--	--	--	--	<0.25
FSW 424-M02-04BUT (72-13)	12/2/1994	<0.48	100	--	--	--	--	0.34
FSW 424-M02-05BKT (72-13)	12/2/1994	<0.48	112	--	--	--	--	<0.25
FSW 424-M02-06WT (72-13)	12/2/1994	<0.48	144	--	--	--	--	<0.25
FSW 424-M02-07O (72-13)	12/2/1994	<0.48	182	--	--	--	--	<0.25
FSW 424-M02-08GY (72-13)	12/2/1994	<0.48	211	--	--	--	--	<0.25
FSW 424-M02-09Y (72-13)	12/2/1994	<0.48	232	--	--	--	--	<0.25
FSW 424-M02-10P (72-13)	12/2/1994	<0.48	237	--	--	--	--	<0.25
FSW 424-M02-11GN (72-13)	12/2/1994	<0.48	237	--	--	--	--	<0.25
FSW 424-M02-12R (72-13)	12/2/1994	<0.48	236	--	--	--	--	<0.25
FSW 424-M02-13BU (72-13)	12/2/1994	<0.48	238	--	--	--	--	<0.25
FSW 424-M02-14BK (72-13)	12/2/1994	<0.48	242	--	--	--	--	<0.25

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
FSW 424-M02-14BK (72-13)-D	12/2/1994	<0.48	232	--	--	--	--	<0.25
FSW 424-M02-15W (72-13)	12/2/1994	<0.48	248	--	--	--	--	<0.25
FSW 424-M01-01PT	7/9/1996	<0.48	272	--	--	--	--	0.34
FSW 424-M01-02GNT	7/9/1996	<0.48	283	--	--	--	--	<0.25
FSW 424-M01-02GNT-D	7/9/1996	<0.48	284	--	--	--	--	0.47
FSW 424-M01-03RT	7/9/1996	<0.48	258	--	--	--	--	<0.25
FSW 424-M01-04BUT	7/9/1996	<0.48	256	--	--	--	--	0.45
FSW 424-M01-05BKT	7/9/1996	<0.48	247	--	--	--	--	<0.25
FSW 424-M01-06WT	7/9/1996	<0.48	260	--	--	--	--	<0.25
FSW 424-M01-07O	7/9/1996	<0.48	251	--	--	--	--	<0.25
FSW 424-M01-08GY	7/9/1996	<0.48	242	--	--	--	--	0.26
FSW 424-M01-09Y	7/9/1996	<0.48	269	--	--	--	--	0.30
FSW 424-M01-10P	7/9/1996	<0.48	222	--	--	--	--	0.27
FSW 424-M01-11GN	7/9/1996	<0.48	235	--	--	--	--	<0.25
FSW 424-M01-11GN-D	7/9/1996	<0.48	217	--	--	--	--	<0.25
FSW 424-M01-12R	7/9/1996	<0.48	228	--	--	--	--	0.30
FSW 424-M01-13BU	7/9/1996	<0.48	245	--	--	--	--	0.27
FSW 424-M01-14BK	7/9/1996	<0.48	258	--	--	--	--	0.25
FSW 424-M01-15W	7/9/1996	<0.48	322	--	--	--	--	<0.25
FSW 424-M02-01PT (72-13)	7/10/1996	<0.48	107	--	--	--	--	1.17
FSW 424-M02-02GNT (72-13)	7/10/1996	<0.48	116	--	--	--	--	1.00
FSW 424-M02-03RT (72-13)	7/10/1996	<0.48	117	--	--	--	--	<0.25
FSW 424-M02-04BUT (72-13)	7/10/1996	<0.48	121	--	--	--	--	<0.25
FSW 424-M02-05BKT (72-13)	7/10/1996	<0.48	129	--	--	--	--	0.46

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
FSW 424-M02-05BKT (72-13)-D	7/10/1996	<0.48	128	--	--	--	--	0.37
FSW 424-M02-06WT (72-13)	7/10/1996	<0.48	170	--	--	--	--	0.29
FSW 424-M02-07O (72-13)	7/10/1996	<0.48	195	--	--	--	--	0.56
FSW 424-M02-08GY (72-13)	7/10/1996	<0.48	219	--	--	--	--	0.56
FSW 424-M02-09Y (72-13)	7/10/1996	<0.48	241	--	--	--	--	0.47
FSW 424-M02-10P (72-13)	7/10/1996	<0.48	308	--	--	--	--	<0.25
FSW 424-M02-11GN (72-13)	7/10/1996	<0.48	306	--	--	--	--	0.28
FSW 424-M02-12R (72-13)	7/10/1996	<0.48	281	--	--	--	--	0.33
FSW 424-M02-13BU (72-13)	7/10/1996	<0.48	274	--	--	--	--	<0.25
FSW 424-M02-14BK (72-13)	7/10/1996	<0.48	255	--	--	--	--	0.45
FSW 424-M02-14BK (72-13)-D	7/10/1996	<0.48	280	--	--	--	--	0.34
FSW 424-M02-15W (72-13)	7/10/1996	<0.48	263	--	--	--	--	0.42
FSW 424-M01-01PT	6/11/1997	<0.48	238	--	--	--	--	<0.25
FSW 424-M01-01PT-D	6/11/1997	<0.48	234	--	--	--	--	<0.25
FSW 424-M01-02GNT	6/11/1997	<0.48	239	--	--	--	--	<0.25
FSW 424-M01-03RT	6/11/1997	<0.48	231	--	--	--	--	<0.25
FSW 424-M01-04BUT	6/11/1997	<0.48	228	--	--	--	--	<0.25
FSW 424-M01-05BKT	6/11/1997	<0.48	230	--	--	--	--	<0.25
FSW 424-M01-06WT	6/11/1997	<0.48	228	--	--	--	--	<0.25
FSW 424-M01-07O	6/11/1997	<0.48	228	--	--	--	--	<0.25
FSW 424-M01-08GY	6/11/1997	<0.48	234	--	--	--	--	<0.25
FSW 424-M01-09Y	6/11/1997	<0.48	237	--	--	--	--	<0.25
FSW 424-M01-09Y-D	6/11/1997	<0.48	232	--	--	--	--	<0.25
FSW 424-M01-10P	6/11/1997	<0.48	248	--	--	--	--	<0.25
FSW 424-M01-11GN	6/11/1997	<0.48	251	--	--	--	--	<0.25

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
FSW 424-M01-12R	6/11/1997	<0.48	268	--	--	--	--	<0.25
FSW 424-M01-13BU	6/11/1997	<0.48	269	--	--	--	--	<0.25
FSW 424-M01-14BK	6/11/1997	<0.48	318	--	--	--	--	<0.25
FSW 424-M01-15W	6/11/1997	<0.48	340	--	--	--	--	<0.25
FSW 424-M02-01PT (72-13)	6/11/1997	<0.48	98	--	--	--	--	<0.25
FSW 424-M02-02GNT (72-13)	6/11/1997	<0.48	93	--	--	--	--	<0.25
FSW 424-M02-03RT (72-13)	6/11/1997	<0.48	95	--	--	--	--	<0.25
FSW 424-M02-04BUT (72-13)	6/11/1997	<0.48	102	--	--	--	--	<0.25
FSW 424-M02-04BUT (72-13)-D	6/11/1997	<0.48	103	--	--	--	--	<0.25
FSW 424-M02-05BKT (72-13)	6/11/1997	<0.48	111	--	--	--	--	<0.25
FSW 424-M02-06WT (72-13)	6/11/1997	<0.48	135	--	--	--	--	<0.25
FSW 424-M02-07O (72-13)	6/11/1997	<0.48	166	--	--	--	--	<0.25
FSW 424-M02-08GY (72-13)	6/11/1997	<0.48	188	--	--	--	--	<0.25
FSW 424-M02-09Y (72-13)	6/11/1997	<0.48	206	--	--	--	--	<0.25
FSW 424-M02-10P (72-13)	6/11/1997	<0.48	208	--	--	--	--	<0.25
FSW 424-M02-11GN (72-13)	6/11/1997	<0.48	208	--	--	--	--	<0.25
FSW 424-M02-12R (72-13)	6/11/1997	<0.48	221	--	--	--	--	<0.25
FSW 424-M02-13BU (72-13)	6/11/1997	<0.48	234	--	--	--	--	<0.25
FSW 424-M02-13BU (72-13)-D	6/11/1997	<0.48	233	--	--	--	--	<0.25
FSW 424-M02-14BK (72-13)	6/11/1997	<0.48	223	--	--	--	--	<0.25
FSW 424-M02-15W (72-13)	6/11/1997	<0.48	225	--	--	--	--	<0.25
FSW 424-M01-01PT	6/10/1998	<0.48	254	0.27	--	--	--	<0.25
FSW 424-M01-02GNT	6/10/1998	<0.48	226	0.21	--	--	--	0.26
FSW 424-M01-03RT	6/10/1998	<0.48	211	0.23	--	--	--	0.30

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
FSW 424-M01-04BUT	6/10/1998	<0.48	207	0.28	--	--	--	0.32
FSW 424-M01-05BKT	6/10/1998	<0.48	213	0.28	--	--	--	<0.25
FSW 424-M01-06WT	6/10/1998	<0.48	218	0.24	--	--	--	<0.25
FSW 424-M01-06WT-D	6/10/1998	<0.48	222	0.25	--	--	--	0.29
FSW 424-M01-07O	6/10/1998	<0.48	219	0.22	--	--	--	<0.25
FSW 424-M01-08GY	6/10/1998	<0.48	234	0.45	--	--	--	0.27
FSW 424-M01-09Y	6/10/1998	<0.48	222	0.52	--	--	--	0.47
FSW 424-M01-10P	6/10/1998	<0.48	226	0.45	--	--	--	0.34
FSW 424-M01-11GN	6/10/1998	<0.48	226	0.40	--	--	--	<0.25
FSW 424-M01-12R	6/10/1998	<0.48	224	0.35	--	--	--	0.31
FSW 424-M01-13BU	6/10/1998	<0.48	268	0.32	--	--	--	0.27
FSW 424-M01-14BK	6/10/1998	<0.48	288	0.31	--	--	--	<0.25
FSW 424-M01-15W	6/10/1998	<0.48	354	0.39	--	--	--	0.30
FSW 424-M01-15W-D	6/10/1998	<0.48	362	0.41	--	--	--	<0.25
FSW 424-M02-01PT (72-13)	6/10/1998	<0.48	96	0.23	--	--	--	<0.25
FSW 424-M02-02GNT (72-13)	6/10/1998	<0.48	93	0.15	--	--	--	<0.25
FSW 424-M02-03RT (72-13)	6/10/1998	<0.48	96	0.14	--	--	--	0.29
FSW 424-M02-04BUT (72-13)	6/10/1998	<0.48	106	0.13	--	--	--	0.30
FSW 424-M02-05BKT (72-13)	6/10/1998	<0.48	111	0.11	--	--	--	0.43
FSW 424-M02-06WT (72-13)	6/10/1998	<0.48	136	0.12	--	--	--	<0.25
FSW 424-M02-07O (72-13)	6/10/1998	<0.48	169	0.19	--	--	--	<0.25
FSW 424-M02-08GY (72-13)	6/10/1998	<0.48	204	0.36	--	--	--	0.47
FSW 424-M02-09Y (72-13)	6/10/1998	<0.48	223	0.45	--	--	--	<0.25
FSW 424-M02-09Y (72-13)-D	6/10/1998	<0.48	228	0.46	--	--	--	<0.25
FSW 424-M02-10P (72-13)	6/10/1998	<0.48	245	0.50	--	--	--	<0.25

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
FSW 424-M02-11GN (72-13)	6/10/1998	<0.48	248	0.51	--	--	--	<0.25
FSW 424-M02-12R (72-13)	6/10/1998	<0.48	247	0.53	--	--	--	<0.25
FSW 424-M02-13BU (72-13)	6/10/1998	<0.48	230	0.49	--	--	--	<0.25
FSW 424-M02-14BK (72-13)	6/10/1998	<0.48	219	0.42	--	--	--	<0.25
FSW 424-M02-15W (72-13)	6/10/1998	<0.48	218	0.35	--	--	--	<0.25
FSW 424-M01-01PT	6/29/1999	<0.48	249	0.35	--	--	--	0.28
FSW 424-M01-02GNT	6/29/1999	<0.48	238	0.24	--	--	--	<0.25
FSW 424-M01-03RT	6/29/1999	<0.48	220	0.28	--	--	--	<0.25
FSW 424-M01-04BUT	6/29/1999	<0.48	215	0.26	--	--	--	<0.25
FSW 424-M01-05BKT	6/29/1999	<0.48	222	0.31	--	--	--	<0.25
FSW 424-M01-06WT	6/29/1999	<0.48	242	0.31	--	--	--	<0.25
FSW 424-M01-06WT-D	6/29/1999	<0.48	229	0.30	--	--	--	<0.25
FSW 424-M01-07O	6/29/1999	<0.48	241	0.29	--	--	--	<0.25
FSW 424-M01-08GY	6/29/1999	<0.48	221	0.22	--	--	--	<0.25
FSW 424-M01-09Y	6/29/1999	<0.48	210	0.16	--	--	--	<0.25
FSW 424-M01-10P	6/29/1999	<0.48	224	0.19	--	--	--	<0.25
FSW 424-M01-11GN	6/29/1999	<0.48	223	0.13	--	--	--	<0.25
FSW 424-M01-12R	6/29/1999	<0.48	221	0.18	--	--	--	<0.25
FSW 424-M01-13BU	6/29/1999	<0.48	229	0.22	--	--	--	<0.25
FSW 424-M01-14BK	6/29/1999	<0.48	251	0.31	--	--	--	<0.25
FSW 424-M01-15W	6/29/1999	<0.48	348	0.40	--	--	--	<0.25
FSW 424-M02-01PT (72-13)	6/29/1999	<0.48	111	0.62	--	--	--	<0.25
FSW 424-M02-01PT (72-13)-D	6/29/1999	<0.48	106	0.61	--	--	--	<0.25
FSW 424-M02-02GNT (72-13)	6/29/1999	<0.48	102	0.36	--	--	--	<0.25

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
FSW 424-M02-03RT (72-13)	6/29/1999	<0.48	96	0.28	--	--	--	<0.25
FSW 424-M02-04BUT (72-13)	6/29/1999	<0.48	105	0.21	--	--	--	<0.25
FSW 424-M02-05BKT (72-13)	6/29/1999	<0.48	116	0.17	--	--	--	<0.25
FSW 424-M02-05BKT (72-13)-D	6/29/1999	<0.48	110	0.18	--	--	--	<0.25
FSW 424-M02-06WT (72-13)	6/29/1999	<0.48	148	0.11	--	--	--	<0.25
FSW 424-M02-07O (72-13)	6/29/1999	<0.48	194	0.14	--	--	--	<0.25
FSW 424-M02-08GY (72-13)	6/29/1999	<0.48	202	0.16	--	--	--	<0.25
FSW 424-M02-09Y (72-13)	6/29/1999	<0.48	224	0.20	--	--	--	<0.25
FSW 424-M02-10P (72-13)	6/29/1999	<0.48	245	0.23	--	--	--	<0.25
FSW 424-M02-11GN (72-13)	6/29/1999	<0.48	251	0.22	--	--	--	<0.25
FSW 424-M02-12R (72-13)	6/29/1999	<0.48	254	0.25	--	--	--	<0.25
FSW 424-M02-13BU (72-13)	6/29/1999	<0.48	268	0.27	--	--	--	<0.25
FSW 424-M02-14BK (72-13)	6/29/1999	<0.48	266	0.34	--	--	--	<0.25
FSW 424-M02-15W (72-13)	6/29/1999	<0.48	267	0.40	--	--	--	<0.25
FSW 424-M01-01PT	6/6/2000	<0.04	255	0.21	<0.24	--	<0.3	0.15
FSW 424-M01-02GNT	6/6/2000	<0.04	283	0.15	<0.24	--	<0.3	0.10
FSW 424-M01-03RT	6/6/2000	<0.04	275	0.15	<0.24	--	<0.3	0.37
FSW 424-M01-04BUT	6/6/2000	<0.04	255	0.18	<0.24	--	<0.3	0.23
FSW 424-M01-05BKT	6/6/2000	<0.04	255	0.15	<0.24	--	<0.3	0.24
FSW 424-M01-06WT	6/6/2000	<0.04	245	0.10	<0.24	--	<0.3	0.17
FSW 424-M01-07O	6/6/2000	<0.04	253	0.09	<0.24	--	<0.3	0.21
FSW 424-M01-08GY	6/6/2000	<0.04	249	0.08	<0.24	--	<0.3	0.26
FSW 424-M01-09Y	6/6/2000	<0.04	253	0.07	<0.24	--	<0.3	0.23
FSW 424-M01-10P	6/6/2000	<0.04	258	0.10	<0.24	--	<0.3	0.19
FSW 424-M01-11GN	6/6/2000	<0.04	261	0.08	<0.24	--	<0.3	0.24

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
FSW 424-M01-12R	6/6/2000	<0.04	265	0.09	<0.24	--	<0.3	0.21
FSW 424-M01-13BU	6/6/2000	<0.04	268	0.20	<0.24	--	<0.3	0.22
FSW 424-M01-13BU-D	6/6/2000	<0.04	279	0.22	<0.24	--	<0.3	0.28
FSW 424-M01-14BK	6/6/2000	<0.04	270	0.20	<0.24	--	<0.3	0.29
FSW 424-M01-15W	6/6/2000	<0.04	335	0.35	<0.24	--	<0.3	0.29
FSW 424-M02-01PT (72-13)	6/6/2000	<0.04	105	0.48	<0.24	--	<0.3	0.33
FSW 424-M02-02GNT (72-13)	6/6/2000	<0.04	110	0.42	<0.24	--	<0.3	0.16
FSW 424-M02-02GNT (72-13)-D	6/6/2000	<0.04	116	0.44	<0.24	--	<0.3	0.25
FSW 424-M02-03RT (72-13)	6/6/2000	<0.04	115	0.57	<0.24	--	<0.3	0.16
FSW 424-M02-04BUT (72-13)	6/6/2000	<0.04	141	0.72	<0.24	--	<0.3	0.47
FSW 424-M02-05BKT (72-13)	6/6/2000	<0.04	131	0.36	<0.24	--	<0.3	0.30
FSW 424-M02-06WT (72-13)	6/6/2000	<0.04	152	0.22	<0.24	--	<0.3	0.24
FSW 424-M02-07O (72-13)	6/6/2000	<0.04	166	0.19	<0.24	--	<0.3	0.19
FSW 424-M02-07O (72-13)-D	6/6/2000	<0.04	168	0.20	<0.24	--	<0.3	0.23
FSW 424-M02-08GY (72-13)	6/6/2000	<0.04	169	0.19	<0.24	--	<0.3	<0.04
FSW 424-M02-09Y (72-13)	6/6/2000	<0.04	305	0.21	<0.24	--	<0.3	0.41
FSW 424-M02-10P (72-13)	6/6/2000	<0.04	300	0.25	<0.24	--	<0.3	0.17
FSW 424-M02-11GN (72-13)	6/6/2000	<0.04	303	0.30	<0.24	--	<0.3	0.20
FSW 424-M02-12R (72-13)	6/6/2000	<0.04	324	0.39	<0.24	--	<0.3	0.24
FSW 424-M02-13BU (72-13)	6/6/2000	<0.04	303	0.33	<0.24	--	<0.3	0.20
FSW 424-M02-14BK (72-13)	6/6/2000	<0.04	292	0.34	<0.24	--	<0.3	0.21
FSW 424-M02-15W (72-13)	6/6/2000	<0.04	310	0.33	<0.24	--	<0.3	0.73
FSW 424-M01-01PT	7/19/2001	<0.04	219	0.14	<0.24	--	<0.3	0.13
FSW 424-M01-02GNT	7/19/2001	<0.04	226	0.10	<0.24	--	<0.3	0.17

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
FSW 424-M01-03RT	7/19/2001	<0.04	222	0.29	<0.24	--	<0.3	0.13
FSW 424-M01-04BUT	7/19/2001	<0.04	212	0.29	<0.24	--	<0.3	0.21
FSW 424-M01-05BKT	7/19/2001	<0.04	211	0.15	<0.24	--	<0.3	0.17
FSW 424-M01-06WT	7/19/2001	<0.04	199	0.06	<0.24	--	<0.3	0.14
FSW 424-M01-07O	7/19/2001	<0.04	202	0.04	<0.24	--	<0.3	0.24
FSW 424-M01-08GY	7/19/2001	<0.04	199	0.05	<0.24	--	<0.3	0.20
FSW 424-M01-09Y	7/19/2001	<0.04	217	0.09	<0.24	--	<0.3	0.20
FSW 424-M01-10P	7/19/2001	<0.04	211	0.10	<0.24	--	<0.3	0.15
FSW 424-M01-11GN	7/19/2001	<0.04	224	0.12	<0.24	--	<0.3	0.15
FSW 424-M01-11GN-D	7/19/2001	<0.04	224	0.12	<0.24	--	<0.3	0.17
FSW 424-M01-12R	7/19/2001	<0.04	226	0.15	<0.24	--	<0.3	0.17
FSW 424-M01-13BU	7/19/2001	<0.04	226	0.22	<0.24	--	<0.3	0.18
FSW 424-M01-14BK	7/19/2001	<0.04	239	0.29	<0.24	--	<0.3	0.16
FSW 424-M01-15W	7/19/2001	<0.04	269	0.36	<0.24	--	<0.3	0.16
FSW 424-M02-01PT (72-13)	7/19/2001	<0.04	91	0.65	<0.24	--	<0.3	0.22
FSW 424-M02-02GNT (72-13)	7/19/2001	<0.04	94	0.46	<0.24	--	<0.3	0.22
FSW 424-M02-03RT (72-13)	7/19/2001	<0.04	95	0.34	<0.24	--	<0.3	0.16
FSW 424-M02-04BUT (72-13)	7/19/2001	<0.04	96	0.26	<0.24	--	<0.3	0.23
FSW 424-M02-05BKT (72-13)	7/19/2001	<0.04	108	0.20	<0.24	--	<0.3	0.17
FSW 424-M02-06WT (72-13)	7/19/2001	<0.04	123	0.19	<0.24	--	<0.3	0.20
FSW 424-M02-07O (72-13)	7/19/2001	<0.04	130	0.23	<0.24	--	<0.3	0.15
FSW 424-M02-07O (72-13)-D	7/19/2001	<0.04	133	0.23	<0.24	--	<0.3	0.17
FSW 424-M02-08GY (72-13)	7/19/2001	<0.04	137	0.31	<0.24	--	<0.3	0.12
FSW 424-M02-09Y (72-13)	7/19/2001	<0.04	221	0.32	<0.24	--	<0.3	0.16
FSW 424-M02-10P (72-13)	7/19/2001	<0.04	245	0.33	<0.24	--	<0.3	0.16

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
FSW 424-M02-11GN (72-13)	7/19/2001	<0.04	239	0.31	<0.24	--	<0.3	0.11
FSW 424-M02-12R (72-13)	7/19/2001	<0.04	236	0.35	<0.24	--	<0.3	0.14
FSW 424-M02-13BU (72-13)	7/19/2001	<0.04	237	0.39	<0.24	--	<0.3	0.13
FSW 424-M02-14BK (72-13)	7/19/2001	<0.04	251	0.46	<0.24	--	<0.3	0.16
FSW 424-M02-15W (72-13)	7/19/2001	<0.04	243	0.36	<0.24	--	<0.3	0.18
FSW 424-M01-01PT	7/9/2002	<0.04	246	0.48	<0.24	--	<0.3	0.09
FSW 424-M01-02GNT	7/9/2002	<0.04	235	0.53	<0.24	--	<0.3	<0.04
FSW 424-M01-03RT	7/9/2002	<0.04	256	0.45	<0.24	--	<0.3	<0.04
FSW 424-M01-04BUT	7/9/2002	<0.04	239	0.50	<0.24	--	<0.3	<0.04
FSW 424-M01-04BUT-D	7/9/2002	<0.04	239	0.50	<0.24	--	<0.3	<0.04
FSW 424-M01-05BKT	7/9/2002	<0.04	216	0.31	<0.24	--	<0.3	0.08
FSW 424-M01-06WT	7/9/2002	<0.04	212	0.21	<0.24	--	<0.3	0.04
FSW 424-M01-07O	7/9/2002	<0.04	211	0.16	<0.24	--	<0.3	<0.04
FSW 424-M01-08GY	7/9/2002	<0.04	193	0.18	<0.24	--	<0.3	<0.04
FSW 424-M01-09Y	7/9/2002	<0.04	204	0.19	<0.24	--	<0.3	0.06
FSW 424-M01-10P	7/9/2002	<0.04	208	0.16	<0.24	--	<0.3	0.05
FSW 424-M01-11GN	7/9/2002	<0.04	206	0.16	<0.24	--	<0.3	0.07
FSW 424-M01-12R	7/9/2002	<0.04	208	0.21	<0.24	--	<0.3	0.05
FSW 424-M01-13BU	7/9/2002	<0.04	212	0.24	<0.24	--	<0.3	0.13
FSW 424-M01-14BK	7/9/2002	<0.04	215	0.30	<0.24	--	<0.3	0.06
FSW 424-M01-15W	7/9/2002	<0.04	288	0.35	<0.24	--	<0.3	0.07
FSW 424-M02-01PT (72-13)	7/9/2002	--	--	--	--	--	--	--
FSW 424-M02-02GNT (72-13)	7/9/2002	<0.04	109	0.35	<0.24	--	<0.3	<0.04
FSW 424-M02-03RT (72-13)	7/9/2002	<0.04	109	0.31	<0.24	--	<0.3	<0.04

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
FSW 424-M02-03RT (72-13)-D	7/9/2002	<0.04	105	0.30	<0.24	--	<0.3	<0.04
FSW 424-M02-04BUT (72-13)	7/9/2002	<0.04	114	0.28	<0.24	--	<0.3	0.06
FSW 424-M02-05BKT (72-13)	7/9/2002	<0.04	144	0.33	<0.24	--	<0.3	0.04
FSW 424-M02-06WT (72-13)	7/9/2002	<0.04	189	0.53	<0.24	--	<0.3	<0.04
FSW 424-M02-07O (72-13)	7/9/2002	<0.04	211	0.53	<0.24	--	<0.3	<0.04
FSW 424-M02-08GY (72-13)	7/9/2002	<0.04	214	0.47	<0.24	--	<0.3	<0.04
FSW 424-M02-09Y (72-13)	7/9/2002	<0.04	226	0.35	<0.24	--	<0.3	<0.04
FSW 424-M02-10P (72-13)	7/9/2002	<0.04	204	0.21	<0.24	--	<0.3	0.06
FSW 424-M02-11GN (72-13)	7/9/2002	<0.04	235	0.35	<0.24	--	<0.3	<0.04
FSW 424-M02-12R (72-13)	7/9/2002	<0.04	241	0.36	<0.24	--	<0.3	<0.04
FSW 424-M02-13BU (72-13)	7/9/2002	<0.04	242	0.45	<0.24	--	<0.3	0.11
FSW 424-M02-14BK (72-13)	7/9/2002	<0.04	240	0.49	<0.24	--	<0.3	0.08
FSW 424-M02-15W (72-13)	7/9/2002	<0.04	249	0.45	<0.24	--	<0.3	0.30
FSW 424-M01-01PT	5/29/2003	<0.04	242	0.55	<0.24	<0.25	<0.3	0.04
FSW 424-M01-02GNT	5/29/2003	<0.04	245	0.45	<0.24	<0.25	<0.3	0.06
FSW 424-M01-02GNT-D	5/29/2003	<0.04	240	0.44	<0.24	<0.25	<0.3	0.04
FSW 424-M01-03RT	5/29/2003	<0.04	244	0.45	<0.24	<0.25	<0.3	0.06
FSW 424-M01-04BUT	5/29/2003	<0.04	231	0.44	<0.24	<0.25	<0.3	<0.04
FSW 424-M01-05BKT	5/29/2003	<0.04	210	0.27	<0.24	<0.25	<0.3	<0.04
FSW 424-M01-06WT	5/29/2003	<0.04	207	0.23	<0.24	<0.25	<0.3	0.11
FSW 424-M01-07O	5/29/2003	<0.04	208	0.16	<0.24	<0.25	<0.3	<0.04
FSW 424-M01-08GY	5/29/2003	<0.04	207	0.19	<0.24	<0.25	<0.3	<0.04
FSW 424-M01-09Y	5/29/2003	<0.04	236	0.23	<0.24	<0.25	<0.3	0.06
FSW 424-M01-10P	5/29/2003	<0.04	225	0.22	<0.24	<0.25	<0.3	0.05
FSW 424-M01-11GN	5/29/2003	<0.04	244	0.24	<0.24	<0.25	<0.3	0.05

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
FSW 424-M01-12R	5/29/2003	<0.04	228	0.25	<0.24	<0.25	<0.3	0.06
FSW 424-M01-13BU	5/29/2003	<0.04	238	0.28	<0.24	<0.25	<0.3	0.04
FSW 424-M01-13BU-D	5/29/2003	<0.04	244	0.29	<0.24	<0.25	<0.3	0.07
FSW 424-M01-14BK	5/29/2003	<0.04	247	0.35	<0.24	<0.25	<0.3	0.05
FSW 424-M01-15W	5/29/2003	<0.04	275	0.37	<0.24	<0.25	<0.3	<0.04
FSW 424-M02-01PT (72-13)	5/29/2003	<0.04	84	0.29	<0.24	<0.25	<0.3	0.37
FSW 424-M02-02GNT (72-13)	5/29/2003	<0.04	109	1.10	<0.24	<0.25	<0.3	0.13
FSW 424-M02-03RT (72-13)	5/29/2003	<0.04	112	0.92	<0.24	<0.25	<0.3	0.04
FSW 424-M02-04BUT (72-13)	5/29/2003	<0.04	116	0.34	<0.24	<0.25	<0.3	<0.04
FSW 424-M02-05BKT (72-13)	5/29/2003	<0.04	130	0.18	<0.24	<0.25	<0.3	<0.04
FSW 424-M02-06WT (72-13)	5/29/2003	<0.04	155	0.20	<0.24	<0.25	<0.3	<0.04
FSW 424-M02-06WT (72-13)-D	5/29/2003	<0.04	160	0.20	<0.24	<0.25	<0.3	<0.04
FSW 424-M02-07O (72-13)	5/29/2003	<0.04	188	0.25	<0.24	<0.25	<0.3	3.18
FSW 424-M02-08GY (72-13)	5/29/2003	<0.04	210	0.31	<0.24	<0.25	<0.3	<0.04
FSW 424-M02-09Y (72-13)	5/29/2003	<0.04	221	0.32	<0.24	<0.25	<0.3	<0.04
FSW 424-M02-09Y (72-13)-D	5/29/2003	<0.04	218	0.31	<0.24	<0.25	<0.3	<0.04
FSW 424-M02-10P (72-13)	5/29/2003	<0.04	241	0.47	<0.24	<0.25	<0.3	0.04
FSW 424-M02-11GN (72-13)	5/29/2003	<0.04	238	0.63	<0.24	<0.25	<0.3	<0.04
FSW 424-M02-12R (72-13)	5/29/2003	<0.04	246	0.63	<0.24	<0.25	<0.3	<0.04
FSW 424-M02-13BU (72-13)	5/29/2003	<0.04	240	0.66	<0.24	<0.25	<0.3	0.04
FSW 424-M02-14BK (72-13)	5/29/2003	<0.04	237	0.52	<0.24	<0.25	<0.3	0.09
FSW 424-M02-15W (72-13)	5/29/2003	<0.04	241	0.51	<0.24	<0.25	<0.3	0.13
FSW 424-M01-01PT	7/29/2004	<0.04	212	0.33	<0.24	<0.25	<0.3	6.17
FSW 424-M01-02GNT	7/29/2004	<0.04	219	0.32	<0.24	<0.25	<0.3	0.27

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
FSW 424-M01-03RT	7/29/2004	<0.04	212	0.31	<0.24	<0.25	<0.3	0.30
FSW 424-M01-04BUT	7/29/2004	<0.04	211	0.28	<0.24	<0.25	<0.3	0.11
FSW 424-M01-05BKT	7/29/2004	<0.04	213	0.16	<0.24	<0.25	<0.3	0.26
FSW 424-M01-06WT	7/29/2004	<0.04	217	0.16	<0.24	<0.25	<0.3	0.26
FSW 424-M01-07O	7/29/2004	<0.04	212	0.14	<0.24	<0.25	<0.3	0.28
FSW 424-M01-08GY	7/29/2004	<0.04	249	0.18	<0.24	<0.25	<0.3	5.35
FSW 424-M01-09Y	7/29/2004	<0.04	221	0.17	<0.24	<0.25	<0.3	2.40
FSW 424-M01-09Y-D	7/29/2004	<0.04	217	0.16	<0.24	<0.25	<0.3	3.38
FSW 424-M01-10P	7/29/2004	<0.04	225	0.23	<0.24	<0.25	<0.3	3.37
FSW 424-M01-11GN	7/29/2004	<0.04	220	0.24	<0.24	<0.25	<0.3	3.60
FSW 424-M01-12R	7/29/2004	<0.04	224	0.27	<0.24	<0.25	<0.3	3.04
FSW 424-M01-13BU	7/29/2004	<0.04	244	0.29	<0.24	<0.25	<0.3	3.27
FSW 424-M01-14BK	7/29/2004	<0.04	240	0.31	<0.24	<0.25	<0.3	2.93
FSW 424-M01-15W	7/29/2004	<0.04	269	0.35	<0.24	<0.25	<0.3	0.95
FSW 424-M01-15W-D	7/29/2004	<0.04	274	0.35	<0.24	<0.25	<0.3	2.34
FSW 424-M02-01PT (72-13)	7/29/2004	<0.04	110	0.81	<0.24	<0.25	<0.3	2.53
FSW 424-M02-02GNT (72-13)	7/29/2004	<0.04	99	0.69	<0.24	<0.25	<0.3	3.17
FSW 424-M02-03RT (72-13)	7/29/2004	<0.04	97	0.50	<0.24	<0.25	<0.3	2.31
FSW 424-M02-04BUT (72-13)	7/29/2004	<0.04	100	0.38	<0.24	<0.25	<0.3	0.84
FSW 424-M02-05BKT (72-13)	7/29/2004	<0.04	109	0.21	<0.24	<0.25	<0.3	1.81
FSW 424-M02-06WT (72-13)	7/29/2004	<0.04	142	0.14	<0.24	<0.25	<0.3	1.49
FSW 424-M02-07O (72-13)	7/29/2004	<0.04	186	0.18	<0.24	<0.25	<0.3	0.84
FSW 424-M02-08GY (72-13)	7/29/2004	<0.04	208	0.24	<0.24	<0.25	<0.3	4.49
FSW 424-M02-09Y (72-13)	7/29/2004	<0.04	218	0.31	<0.24	<0.25	<0.3	4.38
FSW 424-M02-10P (72-13)	7/29/2004	<0.04	229	0.46	<0.24	<0.25	<0.3	0.26

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
FSW 424-M02-10P (72-13)-D	7/29/2004	<0.04	222	0.45	<0.24	<0.25	<0.3	0.64
FSW 424-M02-11GN (72-13)	7/29/2004	<0.04	223	0.55	<0.24	<0.25	<0.3	6.03
FSW 424-M02-12R (72-13)	7/29/2004	<0.04	243	0.57	<0.24	<0.25	<0.3	2.93
FSW 424-M02-14BK (72-13)	7/29/2004	<0.04	232	0.46	<0.24	<0.25	<0.3	5.19
FSW 424-M02-15W (72-13)	7/29/2004	<0.04	223	0.38	<0.24	<0.25	<0.3	0.21
FSW 566-M01-01PT	12/8/1994	<0.48	234	--	--	--	--	<0.25
FSW 566-M01-02GNT	12/8/1994	<0.48	237	--	--	--	--	<0.25
FSW 566-M01-04BUT	12/8/1994	<0.48	212	--	--	--	--	<0.25
FSW 566-M01-05BKT	12/8/1994	<0.48	215	--	--	--	--	<0.25
FSW 566-M01-06WT	12/8/1994	<0.48	210	--	--	--	--	<0.25
FSW 566-M01-07O	12/8/1994	<0.48	205	--	--	--	--	<0.25
FSW 566-M01-08GY	12/8/1994	<0.48	187	--	--	--	--	<0.25
FSW 566-M01-09Y	12/8/1994	<0.48	191	--	--	--	--	<0.25
FSW 566-M01-10P	12/8/1994	<0.48	197	--	--	--	--	<0.25
FSW 566-M01-11GN	12/8/1994	<0.48	214	--	--	--	--	<0.25
FSW 566-M01-12R	12/8/1994	<0.48	238	--	--	--	--	<0.25
FSW 566-M01-13BU	12/8/1994	<0.48	298	--	--	--	--	<0.25
FSW 566-M01-14BK	12/8/1994	<0.48	358	--	--	--	--	<0.25
FSW 566-M01-15W	12/8/1994	<0.48	362	--	--	--	--	<0.25
FSW 566-M02-01PT (65-12)	12/8/1994	<0.48	101	--	--	--	--	<0.25
FSW 566-M02-02GNT (65-12)	12/8/1994	<0.48	118	--	--	--	--	<0.25
FSW 566-M02-03RT (65-12)	12/8/1994	<0.48	145	--	--	--	--	<0.25
FSW 566-M02-04BUT (65-12)	12/8/1994	<0.48	182	--	--	--	--	<0.25
FSW 566-M02-05BKT (65-12)	12/8/1994	<0.48	226	--	--	--	--	0.72

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
FSW 566-M02-06WT (65-12)	12/8/1994	<0.48	246	--	--	--	--	<0.25
FSW 566-M02-07O (65-12)	12/8/1994	<0.48	255	--	--	--	--	<0.25
FSW 566-M02-08GY (65-12)	12/8/1994	<0.48	247	--	--	--	--	<0.25
FSW 566-M02-09Y (65-12)	12/8/1994	<0.48	240	--	--	--	--	<0.25
FSW 566-M02-10P (65-12)	12/8/1994	<0.48	234	--	--	--	--	<0.25
FSW 566-M02-11GN (65-12)	12/8/1994	<0.48	226	--	--	--	--	<0.25
FSW 566-M02-11GN (65-12)-D	12/8/1994	<0.48	227	--	--	--	--	<0.25
FSW 566-M02-12R (65-12)	12/8/1994	<0.48	211	--	--	--	--	<0.25
FSW 566-M02-13BU (65-12)	12/8/1994	<0.48	213	--	--	--	--	0.30
FSW 566-M02-14BK (65-12)	12/8/1994	<0.48	238	--	--	--	--	<0.25
FSW 566-M02-15W (65-12)	12/8/1994	<0.48	243	--	--	--	--	<0.25
FSW 566-M01-01PT	7/11/1996	<0.48	257	--	--	--	--	0.29
FSW 566-M01-02GNT	7/11/1996	<0.48	246	--	--	--	--	<0.25
FSW 566-M01-04BUT	7/11/1996	<0.48	213	--	--	--	--	0.29
FSW 566-M01-05BKT	7/11/1996	<0.48	213	--	--	--	--	<0.25
FSW 566-M01-06WT	7/11/1996	<0.48	220	--	--	--	--	0.63
FSW 566-M01-07O	7/11/1996	<0.48	225	--	--	--	--	0.51
FSW 566-M01-08GY	7/11/1996	<0.48	220	--	--	--	--	0.30
FSW 566-M01-08GY-D	7/11/1996	<0.48	217	--	--	--	--	<0.25
FSW 566-M01-09Y	7/11/1996	<0.48	224	--	--	--	--	<0.25
FSW 566-M01-10P	7/11/1996	<0.48	240	--	--	--	--	<0.25
FSW 566-M01-11GN	7/11/1996	<0.48	230	--	--	--	--	<0.25
FSW 566-M01-12R	7/11/1996	<0.48	273	--	--	--	--	0.31
FSW 566-M01-13BU	7/11/1996	<0.48	300	--	--	--	--	<0.25
FSW 566-M01-14BK	7/11/1996	<0.48	405	--	--	--	--	1.82

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
FSW 566-M01-15W	7/11/1996	<0.48	396	--	--	--	--	<0.25
FSW 566-M02-01PT (65-12)	7/11/1996	<0.48	103	--	--	--	--	0.25
FSW 566-M02-02GNT (65-12)	7/11/1996	<0.48	102	--	--	--	--	<0.25
FSW 566-M02-02GNT (65-12)-D	7/11/1996	<0.48	101	--	--	--	--	<0.25
FSW 566-M02-03RT (65-12)	7/11/1996	<0.48	120	--	--	--	--	<0.25
FSW 566-M02-04BUT (65-12)	7/11/1996	<0.48	154	--	--	--	--	<0.25
FSW 566-M02-05BKT (65-12)	7/11/1996	<0.48	174	--	--	--	--	<0.25
FSW 566-M02-06WT (65-12)	7/11/1996	<0.48	197	--	--	--	--	<0.25
FSW 566-M02-07O (65-12)	7/11/1996	<0.48	220	--	--	--	--	<0.25
FSW 566-M02-08GY (65-12)	7/11/1996	<0.48	222	--	--	--	--	<0.25
FSW 566-M02-09Y (65-12)	7/11/1996	<0.48	226	--	--	--	--	<0.25
FSW 566-M02-10P (65-12)	7/11/1996	<0.48	221	--	--	--	--	<0.25
FSW 566-M02-11GN (65-12)	7/11/1996	<0.48	225	--	--	--	--	<0.25
FSW 566-M02-11GN (65-12)-D	7/11/1996	<0.48	235	--	--	--	--	<0.25
FSW 566-M02-12R (65-12)	7/11/1996	<0.48	235	--	--	--	--	<0.25
FSW 566-M02-13BU (65-12)	7/11/1996	<0.48	193	--	--	--	--	<0.25
FSW 566-M02-14BK (65-12)	7/11/1996	<0.48	184	--	--	--	--	<0.25
FSW 566-M02-15W (65-12)	7/11/1996	<0.48	255	--	--	--	--	<0.25
FSW 566-M01-01PT	6/5/1997	<0.48	226	--	--	--	--	<0.25
FSW 566-M01-01PT-D	6/5/1997	<0.48	228	--	--	--	--	<0.25
FSW 566-M01-02GNT	6/5/1997	<0.48	237	--	--	--	--	<0.25
FSW 566-M01-04BUT	6/5/1997	<0.48	201	--	--	--	--	<0.25
FSW 566-M01-05BKT	6/5/1997	<0.48	200	--	--	--	--	<0.25
FSW 566-M01-06WT	6/5/1997	<0.48	189	--	--	--	--	<0.25

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
FSW 566-M01-07O	6/5/1997	<0.48	205	--	--	--	--	<0.25
FSW 566-M01-08GY	6/5/1997	<0.48	196	--	--	--	--	<0.25
FSW 566-M01-09Y	6/5/1997	<0.48	211	--	--	--	--	<0.25
FSW 566-M01-10P	6/5/1997	<0.48	192	--	--	--	--	<0.25
FSW 566-M01-10P-D	6/5/1997	<0.48	188	--	--	--	--	<0.25
FSW 566-M01-11GN	6/5/1997	<0.48	201	--	--	--	--	<0.25
FSW 566-M01-12R	6/5/1997	<0.48	213	--	--	--	--	<0.25
FSW 566-M01-13BU	6/5/1997	<0.48	237	--	--	--	--	<0.25
FSW 566-M01-14BK	6/5/1997	<0.48	299	--	--	--	--	<0.25
FSW 566-M01-15W	6/5/1997	<0.48	346	--	--	--	--	<0.25
FSW 566-M02-01PT (65-12)	6/6/1997	<0.48	85	--	--	--	--	<0.25
FSW 566-M02-02GNT (65-12)	6/6/1997	<0.48	91	--	--	--	--	<0.25
FSW 566-M02-03RT (65-12)	6/6/1997	<0.48	109	--	--	--	--	<0.25
FSW 566-M02-04BUT (65-12)	6/6/1997	<0.48	128	--	--	--	--	<0.25
FSW 566-M02-04BUT (65-12)-D	6/6/1997	<0.48	131	--	--	--	--	<0.25
FSW 566-M02-05BKT (65-12)	6/6/1997	<0.48	166	--	--	--	--	<0.25
FSW 566-M02-06WT (65-12)	6/6/1997	<0.48	202	--	--	--	--	<0.25
FSW 566-M02-07O (65-12)	6/6/1997	<0.48	219	--	--	--	--	<0.25
FSW 566-M02-08GY (65-12)	6/6/1997	<0.48	235	--	--	--	--	<0.25
FSW 566-M02-09Y (65-12)	6/6/1997	<0.48	243	--	--	--	--	<0.25
FSW 566-M02-10P (65-12)	6/6/1997	<0.48	249	--	--	--	--	<0.25
FSW 566-M02-11GN (65-12)	6/6/1997	<0.48	250	--	--	--	--	<0.25
FSW 566-M02-12R (65-12)	6/6/1997	<0.48	252	--	--	--	--	<0.25
FSW 566-M02-13BU (65-12)	6/6/1997	<0.48	243	--	--	--	--	<0.25
FSW 566-M02-13BU (65-12)-D	6/6/1997	<0.48	244	--	--	--	--	<0.25

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
FSW 566-M02-14BK (65-12)	6/6/1997	<0.48	235	--	--	--	--	<0.25
FSW 566-M02-15W (65-12)	6/6/1997	<0.48	220	--	--	--	--	<0.25
FSW 566-M01-01PT	5/13/1998	<0.48	233	0.24	--	--	--	<0.25
FSW 566-M01-02GNT	5/13/1998	<0.48	240	0.29	--	--	--	<0.25
FSW 566-M01-03RT	5/13/1998	<0.48	222	0.37	--	--	--	0.44
FSW 566-M01-04BUT	5/13/1998	<0.48	208	0.39	--	--	--	<0.25
FSW 566-M01-05BKT	5/13/1998	<0.48	201	0.34	--	--	--	<0.25
FSW 566-M01-06WT	5/13/1998	<0.48	221	0.33	--	--	--	<0.25
FSW 566-M01-06WT-D	5/13/1998	<0.48	238	0.35	--	--	--	<0.25
FSW 566-M01-07O	5/13/1998	<0.48	243	0.32	--	--	--	<0.25
FSW 566-M01-08GY	5/13/1998	<0.48	223	0.41	--	--	--	<0.25
FSW 566-M01-09Y	5/13/1998	<0.48	174	0.33	--	--	--	<0.25
FSW 566-M01-10P	5/13/1998	<0.48	178	0.12	--	--	--	<0.25
FSW 566-M01-11GN	5/13/1998	<0.48	186	0.11	--	--	--	<0.25
FSW 566-M01-12R	5/13/1998	<0.48	207	0.26	--	--	--	<0.25
FSW 566-M01-13BU	5/13/1998	<0.48	249	0.33	--	--	--	<0.25
FSW 566-M01-14BK	5/13/1998	<0.48	304	0.54	--	--	--	<0.25
FSW 566-M01-15W	5/13/1998	<0.48	329	0.62	--	--	--	<0.25
FSW 566-M01-15W-D	5/13/1998	<0.48	342	0.65	--	--	--	<0.25
FSW 566-M02-01PT (65-12)	5/13/1998	<0.48	89	0.09	--	--	--	<0.25
FSW 566-M02-02GNT (65-12)	5/13/1998	<0.48	96	0.10	--	--	--	<0.25
FSW 566-M02-03RT (65-12)	5/13/1998	<0.48	117	0.12	--	--	--	<0.25
FSW 566-M02-04BUT (65-12)	5/13/1998	<0.48	145	0.11	--	--	--	<0.25
FSW 566-M02-05BKT (65-12)	5/13/1998	<0.48	175	0.24	--	--	--	<0.25

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
FSW 566-M02-06WT (65-12)	5/13/1998	<0.48	221	0.56	--	--	--	<0.25
FSW 566-M02-07O (65-12)	5/13/1998	<0.48	232	0.69	--	--	--	<0.25
FSW 566-M02-08GY (65-12)	5/13/1998	<0.48	240	0.74	--	--	--	<0.25
FSW 566-M02-09Y (65-12)	5/13/1998	<0.48	240	0.70	--	--	--	<0.25
FSW 566-M02-09Y (65-12)-D	5/13/1998	<0.48	262	0.78	--	--	--	<0.25
FSW 566-M02-10P (65-12)	5/13/1998	<0.48	238	0.81	--	--	--	<0.25
FSW 566-M02-11GN (65-12)	5/13/1998	<0.48	239	0.88	--	--	--	<0.25
FSW 566-M02-12R (65-12)	5/13/1998	<0.48	240	0.94	--	--	--	<0.25
FSW 566-M02-13BU (65-12)	5/13/1998	<0.48	234	0.76	--	--	--	<0.25
FSW 566-M02-14BK (65-12)	5/13/1998	<0.48	239	0.60	--	--	--	<0.25
FSW 566-M02-15W (65-12)	5/13/1998	<0.48	239	0.51	--	--	--	<0.25
FSW 566-M01-01PT	6/10/1999	<0.48	221	0.08	--	--	--	<0.25
FSW 566-M01-02GNT	6/10/1999	<0.48	221	0.06	--	--	--	<0.25
FSW 566-M01-03RT	6/10/1999	<0.48	221	0.12	--	--	--	0.39
FSW 566-M01-04BUT	6/10/1999	<0.48	207	0.13	--	--	--	<0.25
FSW 566-M01-04BUT-D	6/10/1999	<0.48	202	0.13	--	--	--	<0.25
FSW 566-M01-05BKT	6/10/1999	<0.48	199	0.11	--	--	--	<0.25
FSW 566-M01-06WT	6/10/1999	<0.48	190	0.06	--	--	--	0.25
FSW 566-M01-07O	6/10/1999	<0.48	183	0.04	--	--	--	<0.25
FSW 566-M01-08GY	6/10/1999	<0.48	179	0.05	--	--	--	<0.25
FSW 566-M01-09Y	6/10/1999	<0.48	198	0.06	--	--	--	<0.25
FSW 566-M01-10P	6/10/1999	<0.48	209	0.11	--	--	--	<0.25
FSW 566-M01-10P-D	6/10/1999	<0.48	204	0.11	--	--	--	<0.25
FSW 566-M01-11GN	6/10/1999	<0.48	200	0.18	--	--	--	<0.25
FSW 566-M01-12R	6/10/1999	<0.48	211	0.28	--	--	--	0.29

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
FSW 566-M01-13BU	6/10/1999	<0.48	249	0.34	--	--	--	<0.25
FSW 566-M01-14BK	6/10/1999	<0.48	281	0.43	--	--	--	0.26
FSW 566-M01-15W	6/10/1999	<0.48	314	0.56	--	--	--	0.29
FSW 566-M02-01PT (65-12)	6/10/1999	<0.48	87	0.13	--	--	--	0.30
FSW 566-M02-02GNT (65-12)	6/10/1999	<0.48	109	0.15	--	--	--	0.29
FSW 566-M02-03RT (65-12)	6/10/1999	<0.48	128	0.14	--	--	--	0.34
FSW 566-M02-04BUT (65-12)	6/10/1999	<0.48	160	0.17	--	--	--	<0.25
FSW 566-M02-05BKT (65-12)	6/10/1999	<0.48	208	0.38	--	--	--	<0.25
FSW 566-M02-06WT (65-12)	6/10/1999	<0.48	238	0.52	--	--	--	<0.25
FSW 566-M02-07O (65-12)	6/10/1999	<0.48	258	0.53	--	--	--	<0.25
FSW 566-M02-08GY (65-12)	6/10/1999	<0.48	257	0.43	--	--	--	<0.25
FSW 566-M02-09Y (65-12)	6/10/1999	<0.48	249	0.30	--	--	--	<0.25
FSW 566-M02-10P (65-12)	6/10/1999	<0.48	246	0.29	--	--	--	<0.25
FSW 566-M02-11GN (65-12)	6/10/1999	<0.48	252	0.32	--	--	--	<0.25
FSW 566-M02-11GN (65-12)-D	6/10/1999	<0.48	274	0.35	--	--	--	<0.25
FSW 566-M02-12R (65-12)	6/10/1999	<0.48	247	0.42	--	--	--	<0.25
FSW 566-M02-13BU (65-12)	6/10/1999	<0.48	254	0.37	--	--	--	<0.25
FSW 566-M02-14BK (65-12)	6/10/1999	<0.48	244	0.26	--	--	--	<0.25
FSW 566-M02-15W (65-12)	6/10/1999	<0.48	246	0.23	--	--	--	<0.25
FSW 566-M01-01PT	6/1/2000	<0.04	260	0.10	--	--	<0.3	0.17
FSW 566-M01-02GNT	6/1/2000	<0.04	275	0.19	--	--	<0.3	0.16
FSW 566-M01-03RT	6/1/2000	--	--	--	--	--	--	--
FSW 566-M01-04BUT	6/1/2000	<0.04	243	0.17	--	--	<0.3	0.22
FSW 566-M01-05BKT	6/1/2000	<0.04	259	0.12	--	--	<0.3	0.27

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
FSW 566-M01-06WT	6/1/2000	<0.04	249	0.06	--	--	<0.3	0.26
FSW 566-M01-06WT-D	6/1/2000	<0.04	237	0.06	--	--	<0.3	0.23
FSW 566-M01-07O	6/1/2000	<0.04	210	0.05	--	--	<0.3	0.16
FSW 566-M01-08GY	6/1/2000	<0.04	253	0.07	--	--	<0.3	0.27
FSW 566-M01-09Y	6/1/2000	<0.04	266	0.12	--	--	<0.3	0.24
FSW 566-M01-10P	6/1/2000	<0.04	285	0.22	--	--	<0.3	0.28
FSW 566-M01-11GN	6/1/2000	<0.04	310	0.32	--	--	<0.3	0.27
FSW 566-M01-12R	6/1/2000	<0.04	253	0.34	--	--	<0.3	0.22
FSW 566-M01-13BU	6/1/2000	<0.04	336	0.49	--	--	<0.3	0.24
FSW 566-M01-14BK	6/1/2000	<0.04	339	0.58	--	--	<0.3	0.24
FSW 566-M01-15W	6/1/2000	<0.04	370	0.64	--	--	<0.3	0.24
FSW 566-M02-01PT (65-12)	6/1/2000	<0.04	106	0.12	--	--	<0.3	0.19
FSW 566-M02-02GNT (65-12)	6/1/2000	<0.04	120	0.10	--	--	<0.3	0.29
FSW 566-M02-03RT (65-12)	6/1/2000	<0.04	157	0.11	--	--	<0.3	0.39
FSW 566-M02-04BUT (65-12)	6/1/2000	<0.04	171	0.16	--	--	<0.3	0.23
FSW 566-M02-05BKT (65-12)	6/1/2000	<0.04	218	0.44	--	--	<0.3	0.20
FSW 566-M02-06WT (65-12)	6/1/2000	--	--	--	--	--	--	--
FSW 566-M02-07O (65-12)	6/1/2000	<0.04	330	0.71	--	--	<0.3	0.25
FSW 566-M02-08GY (65-12)	6/1/2000	<0.04	331	0.61	--	--	<0.3	0.25
FSW 566-M02-09Y (65-12)	6/1/2000	<0.04	274	0.44	--	--	<0.3	0.18
FSW 566-M02-10P (65-12)	6/1/2000	<0.04	290	0.48	--	--	<0.3	0.14
FSW 566-M02-10P (65-12)-D	6/1/2000	<0.04	299	0.50	--	--	<0.3	0.23
FSW 566-M02-11GN (65-12)	6/1/2000	<0.04	311	0.53	--	--	<0.3	0.24
FSW 566-M02-12R (65-12)	6/1/2000	<0.04	339	0.50	--	--	<0.3	0.26
FSW 566-M02-12R (65-12)-D	6/1/2000	<0.04	354	0.53	--	--	<0.3	0.31

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
FSW 566-M02-13BU (65-12)	6/1/2000	<0.04	332	0.29	--	--	<0.3	0.21
FSW 566-M02-14BK (65-12)	6/1/2000	<0.04	315	0.21	--	--	<0.3	0.21
FSW 566-M02-15W (65-12)	6/1/2000	<0.04	315	0.20	--	--	<0.3	0.29
FSW 566-M01-01PT	7/15/2002	<0.04	243	0.38	<0.24	--	<0.3	0.06
FSW 566-M01-02GNT	7/15/2002	<0.04	201	0.31	<0.24	--	<0.3	0.04
FSW 566-M01-03RT	7/15/2002	<0.04	163	0.28	<0.24	--	<0.3	0.05
FSW 566-M01-04BUT	7/15/2002	<0.04	182	0.18	<0.24	--	<0.3	0.07
FSW 566-M01-04BUT-D	7/15/2002	<0.04	186	0.19	<0.24	--	<0.3	0.05
FSW 566-M01-05BKT	7/15/2002	<0.04	160	0.14	<0.24	--	<0.3	<0.04
FSW 566-M01-06WT	7/15/2002	<0.04	238	0.13	<0.24	--	<0.3	0.04
FSW 566-M01-07O	7/15/2002	<0.04	221	0.12	<0.24	--	<0.3	<0.04
FSW 566-M01-08GY	7/15/2002	<0.04	201	0.14	<0.24	--	<0.3	0.07
FSW 566-M01-09Y	7/15/2002	<0.04	209	0.16	<0.24	--	<0.3	0.05
FSW 566-M01-10P	7/15/2002	<0.04	163	0.18	<0.24	--	<0.3	0.05
FSW 566-M01-11GN	7/15/2002	<0.04	165	0.23	<0.24	--	<0.3	<0.04
FSW 566-M01-12R	7/15/2002	<0.04	171	0.28	<0.24	--	<0.3	0.06
FSW 566-M01-13BU	7/15/2002	<0.04	178	0.36	<0.24	--	<0.3	0.05
FSW 566-M01-14BK	7/15/2002	<0.04	184	0.45	<0.24	--	<0.3	0.07
FSW 566-M01-15W	7/15/2002	<0.04	185	0.46	<0.24	--	<0.3	0.06
FSW 566-M02-01PT (65-12)	7/15/2002	<0.04	102	0.07	<0.24	--	<0.3	0.06
FSW 566-M02-02GNT (65-12)	7/15/2002	<0.04	107	0.07	<0.24	--	<0.3	0.05
FSW 566-M02-03RT (65-12)	7/15/2002	<0.04	123	0.10	<0.24	--	<0.3	0.08
FSW 566-M02-04BUT (65-12)	7/15/2002	<0.04	150	0.24	<0.24	--	<0.3	0.10
FSW 566-M02-05BKT (65-12)	7/15/2002	<0.04	176	0.50	<0.24	--	<0.3	<0.04

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
FSW 566-M02-05BKT (65-12)-D	7/15/2002	<0.04	171	0.49	<0.24	--	<0.3	0.04
FSW 566-M02-06WT (65-12)	7/15/2002	<0.04	202	0.72	<0.24	--	<0.3	0.11
FSW 566-M02-07O (65-12)	7/15/2002	<0.04	218	0.90	<0.24	--	<0.3	0.06
FSW 566-M02-08GY (65-12)	7/15/2002	<0.04	222	1.00	<0.24	--	<0.3	<0.04
FSW 566-M02-09Y (65-12)	7/15/2002	<0.04	228	1.24	<0.24	--	<0.3	0.08
FSW 566-M02-10P (65-12)	7/15/2002	<0.04	233	1.74	<0.24	--	<0.3	0.05
FSW 566-M02-11GN (65-12)	7/15/2002	<0.04	230	1.74	<0.24	--	<0.3	0.06
FSW 566-M02-12R (65-12)	7/15/2002	<0.04	224	1.65	<0.24	--	<0.3	0.05
FSW 566-M02-13BU (65-12)	7/15/2002	<0.04	225	1.94	<0.24	--	<0.3	0.07
FSW 566-M02-14BK (65-12)	7/15/2002	<0.04	238	1.77	<0.24	--	<0.3	0.12
FSW 566-M02-15W (65-12)	7/15/2002	<0.04	236	1.35	<0.24	--	<0.3	0.08
FSW 566-M01-01PT	8/17/2004	<0.04	254	0.56	<0.24	<0.25	<0.3	0.82
FSW 566-M01-02GNT	8/17/2004	<0.04	234	0.54	<0.24	<0.25	<0.3	0.86
FSW 566-M01-03RT	8/17/2004	<0.04	237	0.32	<0.24	<0.25	<0.3	0.53
FSW 566-M01-04BUT	8/17/2004	<0.04	220	0.25	<0.24	<0.25	<0.3	0.34
FSW 566-M01-04BUT-D	8/17/2004	<0.04	214	0.26	<0.24	<0.25	<0.3	4.36
FSW 566-M01-05BKT	8/17/2004	<0.04	201	0.20	<0.24	<0.25	<0.3	0.74
FSW 566-M01-06WT	8/17/2004	<0.04	210	0.08	<0.24	<0.25	<0.3	0.34
FSW 566-M01-07O	8/17/2004	<0.04	197	0.08	<0.24	<0.25	<0.3	0.06
FSW 566-M01-08GY	8/17/2004	<0.04	211	0.12	<0.24	<0.25	<0.3	3.41
FSW 566-M01-09Y	8/17/2004	<0.04	206	0.19	<0.24	<0.25	<0.3	3.36
FSW 566-M01-10P	8/17/2004	<0.04	217	0.24	<0.24	<0.25	<0.3	3.45
FSW 566-M01-11GN	8/17/2004	<0.04	219	0.26	<0.24	<0.25	<0.3	2.49
FSW 566-M01-11GN-D	8/17/2004	<0.04	209	0.23	<0.24	<0.25	<0.3	3.52
FSW 566-M01-12R	8/17/2004	<0.04	212	0.25	<0.24	<0.25	<0.3	0.06

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
FSW 566-M01-13BU	8/17/2004	<0.04	243	0.29	<0.24	<0.25	<0.3	3.01
FSW 566-M01-14BK	8/17/2004	<0.04	257	0.34	<0.24	<0.25	<0.3	2.05
FSW 566-M01-15W	8/17/2004	<0.04	270	0.36	<0.24	<0.25	<0.3	1.88
FSW 566-M02-01PT (65-12)	8/17/2004	<0.04	100	0.11	<0.24	<0.25	<0.3	1.34
FSW 566-M02-02GNT (65-12)	8/17/2004	<0.04	97	0.06	<0.24	<0.25	<0.3	1.47
FSW 566-M02-03RT (65-12)	8/17/2004	<0.04	117	0.10	<0.24	<0.25	<0.3	<0.04
FSW 566-M02-04BUT (65-12)	8/17/2004	<0.04	144	0.19	<0.24	<0.25	<0.3	2.43
FSW 566-M02-05BKT (65-12)	8/17/2004	<0.04	177	0.53	<0.24	<0.25	<0.3	4.53
FSW 566-M02-06WT (65-12)	8/17/2004	<0.04	211	0.75	<0.24	<0.25	<0.3	0.05
FSW 566-M02-07O (65-12)	8/17/2004	<0.04	208	0.69	<0.24	<0.25	<0.3	5.21
FSW 566-M02-08GY (65-12)	8/17/2004	<0.04	194	0.59	<0.24	<0.25	<0.3	0.05
FSW 566-M02-09Y (65-12)	8/17/2004	<0.04	197	0.65	<0.24	<0.25	<0.3	0.07
FSW 566-M02-10P (65-12)	8/17/2004	<0.04	203	0.71	<0.24	<0.25	<0.3	5.65
FSW 566-M02-11GN (65-12)	8/17/2004	<0.04	199	0.66	<0.24	<0.25	<0.3	0.06
FSW 566-M02-12R (65-12)	8/17/2004	<0.04	212	0.57	<0.24	<0.25	<0.3	0.04
FSW 566-M02-13BU (65-12)	8/17/2004	<0.04	239	0.57	<0.24	<0.25	<0.3	5.17
FSW 566-M02-13BU (65-12)-D	8/17/2004	<0.04	239	0.57	<0.24	<0.25	<0.3	0.06
FSW 566-M02-14BK (65-12)	8/17/2004	<0.04	241	0.61	<0.24	<0.25	<0.3	3.61
FSW 566-M02-15W (65-12)	8/17/2004	<0.04	258	0.74	<0.24	<0.25	<0.3	0.41
FSW 575-M01-01PT	7/10/1996	<0.48	252	--	--	--	--	<0.25
FSW 575-M01-02GNT	7/10/1996	<0.48	191	--	--	--	--	<0.25
FSW 575-M01-03RT	7/10/1996	<0.48	258	--	--	--	--	0.66
FSW 575-M01-04BUT	7/10/1996	<0.48	238	--	--	--	--	<0.25
FSW 575-M01-05BKT	7/10/1996	<0.48	235	--	--	--	--	<0.25

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
FSW 575-M01-05BKT-D	7/10/1996	<0.48	233	--	--	--	--	<0.25
FSW 575-M01-06WT	7/10/1996	<0.48	209	--	--	--	--	<0.25
FSW 575-M01-07O	7/10/1996	<0.48	219	--	--	--	--	<0.25
FSW 575-M01-08GY	7/10/1996	<0.48	233	--	--	--	--	<0.25
FSW 575-M01-09Y	7/10/1996	<0.48	230	--	--	--	--	0.52
FSW 575-M01-10P	7/10/1996	<0.48	214	--	--	--	--	<0.25
FSW 575-M01-11GN	7/10/1996	<0.48	199	--	--	--	--	0.46
FSW 575-M01-12R	7/10/1996	<0.48	191	--	--	--	--	<0.25
FSW 575-M01-13BU	7/10/1996	<0.48	194	--	--	--	--	<0.25
FSW 575-M01-14BK	7/10/1996	<0.48	227	--	--	--	--	<0.25
FSW 575-M01-14BK-D	7/10/1996	<0.48	231	--	--	--	--	<0.25
FSW 575-M01-15W	7/10/1996	<0.48	247	--	--	--	--	0.28
FSW 575-M02-01PT (44-19)	7/10/1996	<0.48	108	--	--	--	--	<0.25
FSW 575-M02-02GNT (44-19)	7/10/1996	<0.48	112	--	--	--	--	0.87
FSW 575-M02-03RT (44-19)	7/10/1996	<0.48	146	--	--	--	--	1.83
FSW 575-M02-04BUT (44-19)	7/10/1996	<0.48	184	--	--	--	--	3.58
FSW 575-M02-05BKT (44-19)	7/10/1996	<0.48	226	--	--	--	--	2.29
FSW 575-M02-06WT (44-19)	7/10/1996	<0.48	242	--	--	--	--	0.28
FSW 575-M02-07O (44-19)	7/10/1996	<0.48	330	--	--	--	--	<0.25
FSW 575-M02-08GY (44-19)	7/10/1996	<0.48	251	--	--	--	--	<0.25
FSW 575-M02-09Y (44-19)	7/10/1996	<0.48	262	--	--	--	--	<0.25
FSW 575-M02-10P (44-19)	7/10/1996	<0.48	271	--	--	--	--	<0.25
FSW 575-M02-11GN (44-19)	7/10/1996	<0.48	257	--	--	--	--	0.32
FSW 575-M02-12R (44-19)	7/10/1996	<0.48	252	--	--	--	--	<0.25
FSW 575-M02-13BU (44-19)	7/10/1996	<0.48	277	--	--	--	--	<0.25

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
FSW 575-M02-14BK (44-19)	7/10/1996	<0.48	263	--	--	--	--	<0.25
FSW 575-M02-15W (44-19)	7/10/1996	<0.48	262	--	--	--	--	<0.25
FSW 575-M01-01PT	6/18/1997	<0.48	225	--	--	--	--	<0.25
FSW 575-M01-02GNT	6/18/1997	<0.48	200	--	--	--	--	<0.25
FSW 575-M01-03RT	6/18/1997	<0.48	208	--	--	--	--	<0.25
FSW 575-M01-04BUT	6/18/1997	<0.48	213	--	--	--	--	<0.25
FSW 575-M01-06WT	6/18/1997	<0.48	209	--	--	--	--	0.32
FSW 575-M01-07O	6/18/1997	<0.48	203	--	--	--	--	<0.25
FSW 575-M01-07O-D	6/18/1997	<0.48	199	--	--	--	--	<0.25
FSW 575-M01-08GY	6/18/1997	<0.48	159	--	--	--	--	<0.25
FSW 575-M01-09Y	6/18/1997	<0.48	161	--	--	--	--	<0.25
FSW 575-M01-10P	6/18/1997	<0.48	168	--	--	--	--	<0.25
FSW 575-M01-11GN	6/18/1997	<0.48	174	--	--	--	--	<0.25
FSW 575-M01-12R	6/18/1997	<0.48	175	--	--	--	--	<0.25
FSW 575-M01-13BU	6/18/1997	<0.48	178	--	--	--	--	<0.25
FSW 575-M01-14BK	6/18/1997	<0.48	202	--	--	--	--	<0.25
FSW 575-M01-15W	6/18/1997	<0.48	234	--	--	--	--	0.25
FSW 575-M02-01PT (44-19)	6/18/1997	<0.48	103	--	--	--	--	<0.25
FSW 575-M02-01PT (44-19)-D	6/18/1997	<0.48	102	--	--	--	--	<0.25
FSW 575-M02-02GNT (44-19)	6/18/1997	<0.48	118	--	--	--	--	0.44
FSW 575-M02-03RT (44-19)	6/18/1997	<0.48	157	--	--	--	--	1.25
FSW 575-M02-04BUT (44-19)	6/18/1997	<0.48	196	--	--	--	--	2.46
FSW 575-M02-05BKT (44-19)	6/18/1997	<0.48	219	--	--	--	--	0.93
FSW 575-M02-06WT (44-19)	6/18/1997	<0.48	230	--	--	--	--	<0.25

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
FSW 575-M02-07O (44-19)	6/18/1997	<0.48	239	--	--	--	--	<0.25
FSW 575-M02-08GY (44-19)	6/18/1997	<0.48	239	--	--	--	--	<0.25
FSW 575-M02-09Y (44-19)	6/18/1997	<0.48	240	--	--	--	--	<0.25
FSW 575-M02-10P (44-19)	6/18/1997	<0.48	241	--	--	--	--	<0.25
FSW 575-M02-10P (44-19)-D	6/18/1997	<0.48	238	--	--	--	--	<0.25
FSW 575-M02-11GN (44-19)	6/18/1997	<0.48	244	--	--	--	--	<0.25
FSW 575-M02-12R (44-19)	6/18/1997	<0.48	248	--	--	--	--	<0.25
FSW 575-M02-13BU (44-19)	6/18/1997	<0.48	236	--	--	--	--	<0.25
FSW 575-M02-14BK (44-19)	6/18/1997	<0.48	234	--	--	--	--	<0.25
FSW 575-M02-15W (44-19)	6/18/1997	<0.48	238	--	--	--	--	<0.25
FSW 575-M01-01PT	6/3/1998	<0.48	236	0.73	--	--	--	<0.25
FSW 575-M01-02GNT	6/3/1998	<0.48	226	0.71	--	--	--	<0.25
FSW 575-M01-03RT	6/3/1998	<0.48	191	0.04	--	--	--	<0.25
FSW 575-M01-03RT-D	6/3/1998	<0.48	182	0.04	--	--	--	<0.25
FSW 575-M01-04BUT	6/3/1998	<0.48	181	0.15	--	--	--	<0.25
FSW 575-M01-05BKT	6/3/1998	<0.48	166	0.21	--	--	--	<0.25
FSW 575-M01-06WT	6/3/1998	<0.48	188	0.22	--	--	--	0.31
FSW 575-M01-07O	6/3/1998	<0.48	169	0.12	--	--	--	<0.25
FSW 575-M01-08GY	6/3/1998	<0.48	161	0.12	--	--	--	<0.25
FSW 575-M01-09Y	6/3/1998	<0.48	155	0.05	--	--	--	<0.25
FSW 575-M01-10P	6/3/1998	<0.48	168	0.08	--	--	--	<0.25
FSW 575-M01-11GN	6/3/1998	<0.48	182	0.12	--	--	--	<0.25
FSW 575-M01-12R	6/3/1998	<0.48	183	0.16	--	--	--	<0.25
FSW 575-M01-12R-D	6/3/1998	<0.48	174	0.15	--	--	--	<0.25
FSW 575-M01-13BU	6/3/1998	<0.48	185	0.19	--	--	--	0.27

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
FSW 575-M01-14BK	6/3/1998	<0.48	214	0.33	--	--	--	<0.25
FSW 575-M01-15W	6/3/1998	<0.48	229	0.37	--	--	--	<0.25
FSW 575-M02-01PT (44-19)	6/3/1998	<0.48	101	0.09	--	--	--	<0.25
FSW 575-M02-02GNT (44-19)	6/3/1998	<0.48	120	0.12	--	--	--	0.47
FSW 575-M02-03RT (44-19)	6/3/1998	<0.48	162	0.29	--	--	--	1.36
FSW 575-M02-04BUT (44-19)	6/3/1998	<0.48	201	0.50	--	--	--	1.94
FSW 575-M02-05BKT (44-19)	6/3/1998	<0.48	222	0.80	--	--	--	0.98
FSW 575-M02-06WT (44-19)	6/3/1998	<0.48	238	0.72	--	--	--	<0.25
FSW 575-M02-06WT (44-19)-D	6/3/1998	<0.48	241	0.73	--	--	--	<0.25
FSW 575-M02-07O (44-19)	6/3/1998	<0.48	247	0.63	--	--	--	<0.25
FSW 575-M02-08GY (44-19)	6/3/1998	<0.48	259	0.63	--	--	--	<0.25
FSW 575-M02-09Y (44-19)	6/3/1998	<0.48	254	0.76	--	--	--	<0.25
FSW 575-M02-10P (44-19)	6/3/1998	<0.48	251	0.91	--	--	--	<0.25
FSW 575-M02-11GN (44-19)	6/3/1998	<0.48	250	0.82	--	--	--	<0.25
FSW 575-M02-12R (44-19)	6/3/1998	<0.48	244	0.51	--	--	--	<0.25
FSW 575-M02-13BU (44-19)	6/3/1998	<0.48	248	0.48	--	--	--	<0.25
FSW 575-M02-14BK (44-19)	6/3/1998	<0.48	245	0.50	--	--	--	<0.25
FSW 575-M02-15W (44-19)	6/3/1998	<0.48	237	0.72	--	--	--	<0.25
FSW 575-M01-01PT	6/7/1999	<0.48	267	0.26	--	--	--	0.26
FSW 575-M01-02GNT	6/7/1999	<0.48	244	0.22	--	--	--	<0.25
FSW 575-M01-03RT	6/7/1999	<0.48	238	0.42	--	--	--	0.27
FSW 575-M01-04BUT	6/7/1999	<0.48	204	0.21	--	--	--	0.25
FSW 575-M01-05BKT	6/7/1999	<0.48	196	0.25	--	--	--	<0.25
FSW 575-M01-06WT	6/7/1999	<0.48	184	0.17	--	--	--	<0.25

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
FSW 575-M01-06WT-D	6/7/1999	<0.48	188	0.18	--	--	--	0.27
FSW 575-M01-07O	6/7/1999	<0.48	180	0.12	--	--	--	0.27
FSW 575-M01-08GY	6/7/1999	<0.48	186	0.19	--	--	--	<0.25
FSW 575-M01-09Y	6/7/1999	<0.48	184	0.20	--	--	--	<0.25
FSW 575-M01-09Y-D	6/7/1999	<0.48	194	0.21	--	--	--	<0.25
FSW 575-M01-10P	6/7/1999	<0.48	191	0.09	--	--	--	<0.25
FSW 575-M01-11GN	6/7/1999	<0.48	189	0.17	--	--	--	<0.25
FSW 575-M01-12R	6/7/1999	<0.48	198	0.16	--	--	--	0.26
FSW 575-M01-13BU	6/7/1999	<0.48	199	0.17	--	--	--	0.25
FSW 575-M01-14BK	6/7/1999	<0.48	236	0.33	--	--	--	<0.25
FSW 575-M01-15W	6/7/1999	<0.48	238	0.35	--	--	--	<0.25
FSW 575-M02-01PT (44-19)	6/7/1999	<0.48	111	0.10	--	--	--	0.26
FSW 575-M02-02GNT (44-19)	6/7/1999	<0.48	154	0.15	--	--	--	0.69
FSW 575-M02-03RT (44-19)	6/7/1999	<0.48	195	0.47	--	--	--	1.97
FSW 575-M02-04BUT (44-19)	6/7/1999	<0.48	212	0.77	--	--	--	2.16
FSW 575-M02-05BKT (44-19)	6/7/1999	<0.48	217	0.99	--	--	--	0.86
FSW 575-M02-06WT (44-19)	6/7/1999	<0.48	235	1.05	--	--	--	<0.25
FSW 575-M02-07O (44-19)	6/7/1999	<0.48	248	0.91	--	--	--	<0.25
FSW 575-M02-07O (44-19)-D	6/7/1999	<0.48	255	0.96	--	--	--	<0.25
FSW 575-M02-08GY (44-19)	6/7/1999	<0.48	249	0.62	--	--	--	0.31
FSW 575-M02-09Y (44-19)	6/7/1999	<0.48	242	0.72	--	--	--	<0.25
FSW 575-M02-10P (44-19)	6/7/1999	<0.48	240	0.81	--	--	--	<0.25
FSW 575-M02-11GN (44-19)	6/7/1999	<0.48	238	0.84	--	--	--	0.30
FSW 575-M02-12R (44-19)	6/7/1999	<0.48	232	0.65	--	--	--	<0.25
FSW 575-M02-13BU (44-19)	6/7/1999	<0.48	264	0.37	--	--	--	<0.25

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
FSW 575-M02-14BK (44-19)	6/7/1999	<0.48	265	0.27	--	--	--	<0.25
FSW 575-M02-15W (44-19)	6/7/1999	<0.48	248	0.26	--	--	--	<0.25
FSW 575-M01-01PT	5/31/2000	<0.04	294	0.65	--	--	<0.3	0.20
FSW 575-M01-02GNT	5/31/2000	<0.04	297	0.53	--	--	<0.3	0.27
FSW 575-M01-03RT-D	5/31/2000	<0.04	184	0.17	--	--	<0.3	0.15
FSW 575-M01-04BUT	5/31/2000	<0.04	207	0.25	--	--	<0.3	0.30
FSW 575-M01-05BKT	5/31/2000	<0.04	243	0.28	--	--	<0.3	0.26
FSW 575-M01-06WT	5/31/2000	<0.04	195	0.19	--	--	<0.3	0.22
FSW 575-M01-07O	5/31/2000	<0.04	223	0.24	--	--	<0.3	0.30
FSW 575-M01-08GY	5/31/2000	<0.04	231	0.14	--	--	<0.3	0.17
FSW 575-M01-09Y	5/31/2000	<0.04	202	0.21	--	--	<0.3	0.22
FSW 575-M01-10P	5/31/2000	<0.04	203	0.19	--	--	<0.3	0.19
FSW 575-M01-11GN	5/31/2000	<0.04	203	0.21	--	--	<0.3	0.18
FSW 575-M01-12R	5/31/2000	<0.04	211	0.22	--	--	<0.3	0.17
FSW 575-M01-13BU	5/31/2000	<0.04	248	0.36	--	--	<0.3	0.24
FSW 575-M01-14BK	5/31/2000	<0.04	310	0.50	--	--	<0.3	0.28
FSW 575-M01-15W	5/31/2000	<0.04	201	0.21	--	--	<0.3	0.22
FSW 575-M02-01PT (44-19)	5/31/2000	<0.04	107	0.09	--	--	<0.3	<0.04
FSW 575-M02-02GNT (44-19)	5/31/2000	<0.04	159	0.18	--	--	<0.3	0.39
FSW 575-M02-03RT (44-19)	5/31/2000	<0.04	165	0.40	--	--	<0.3	1.48
FSW 575-M02-03RT (44-19)-D	5/31/2000	<0.04	161	0.38	--	--	<0.3	1.46
FSW 575-M02-04BUT (44-19)	5/31/2000	<0.04	215	0.83	--	--	<0.3	2.69
FSW 575-M02-05BKT (44-19)	5/31/2000	<0.04	202	0.94	--	--	<0.3	0.59
FSW 575-M02-06WT (44-19)	5/31/2000	<0.04	251	1.34	--	--	<0.3	0.04

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
FSW 575-M02-07O (44-19)	5/31/2000	<0.04	222	1.19	--	--	<0.3	0.04
FSW 575-M02-08GY (44-19)	5/31/2000	<0.04	304	1.28	--	--	<0.3	0.04
FSW 575-M02-09Y (44-19)	5/31/2000	<0.04	252	1.55	--	--	<0.3	0.04
FSW 575-M02-10P (44-19)	5/31/2000	<0.04	232	1.42	--	--	<0.3	<0.04
FSW 575-M02-10P (44-19)-D	5/31/2000	<0.04	247	1.48	--	--	<0.3	<0.04
FSW 575-M02-11GN (44-19)	5/31/2000	<0.04	259	1.64	--	--	<0.3	0.05
FSW 575-M02-12R (44-19)	5/31/2000	<0.04	236	1.26	--	--	<0.3	0.04
FSW 575-M02-13BU (44-19)	5/31/2000	<0.04	225	0.75	--	--	<0.3	0.04
FSW 575-M02-14BK (44-19)	5/31/2000	<0.04	261	0.79	--	--	<0.3	0.17
FSW 575-M02-15W (44-19)	5/31/2000	<0.04	233	0.72	--	--	<0.3	0.16
FSW 575-M01-01PT	7/11/2002	<0.04	170	1.15	<0.24	--	<0.3	0.07
FSW 575-M01-02GNT	7/11/2002	<0.04	170	0.89	<0.24	--	<0.3	0.05
FSW 575-M01-03RT	7/11/2002	<0.04	257	0.88	<0.24	--	<0.3	0.08
FSW 575-M01-04BUT	7/11/2002	<0.04	275	0.72	<0.24	--	<0.3	0.11
FSW 575-M01-05BKT	7/11/2002	<0.04	253	0.99	<0.24	--	<0.3	0.14
FSW 575-M01-06WT	7/11/2002	<0.04	245	0.70	<0.24	--	<0.3	0.12
FSW 575-M01-06WT-D	7/11/2002	<0.04	248	0.71	<0.24	--	<0.3	0.14
FSW 575-M01-07O	7/11/2002	<0.04	204	0.50	<0.24	--	<0.3	0.11
FSW 575-M01-08GY	7/11/2002	<0.04	238	0.48	<0.24	--	<0.3	0.04
FSW 575-M01-09Y	7/11/2002	<0.04	157	0.12	<0.24	--	<0.3	<0.04
FSW 575-M01-10P	7/11/2002	<0.04	159	0.20	<0.24	--	<0.3	0.04
FSW 575-M01-11GN	7/11/2002	<0.04	160	0.18	<0.24	--	<0.3	0.04
FSW 575-M01-12R	7/11/2002	<0.04	159	0.18	<0.24	--	<0.3	<0.04
FSW 575-M01-13BU	7/11/2002	<0.04	161	0.19	<0.24	--	<0.3	<0.04
FSW 575-M01-14BK	7/11/2002	<0.04	165	0.28	<0.24	--	<0.3	0.05

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
FSW 575-M01-15W	7/11/2002	<0.04	169	0.29	<0.24	--	<0.3	<0.04
FSW 575-M02-01PT (44-19)	7/11/2002	<0.04	103	0.06	<0.24	--	<0.3	0.05
FSW 575-M02-02GNT (44-19)	7/11/2002	<0.04	122	0.15	<0.24	--	<0.3	0.36
FSW 575-M02-03RT (44-19)	7/11/2002	<0.04	143	0.45	<0.24	--	<0.3	1.65
FSW 575-M02-04BUT (44-19)	7/11/2002	<0.04	157	0.89	<0.24	--	<0.3	3.05
FSW 575-M02-05BKT (44-19)	7/11/2002	<0.04	164	1.34	<0.24	--	<0.3	0.82
FSW 575-M02-06WT (44-19)	7/11/2002	<0.04	176	1.29	<0.24	--	<0.3	0.09
FSW 575-M02-07O (44-19)	7/11/2002	<0.04	197	1.16	<0.24	--	<0.3	0.05
FSW 575-M02-08GY (44-19)	7/11/2002	<0.04	158	1.01	<0.24	--	<0.3	0.04
FSW 575-M02-09Y (44-19)	7/11/2002	<0.04	157	0.91	<0.24	--	<0.3	0.05
FSW 575-M02-09Y (44-19)-D	7/11/2002	<0.04	161	0.95	<0.24	--	<0.3	0.05
FSW 575-M02-10P (44-19)	7/11/2002	<0.04	164	0.85	<0.24	--	<0.3	<0.04
FSW 575-M02-11GN (44-19)	7/11/2002	<0.04	165	0.78	<0.24	--	<0.3	0.08
FSW 575-M02-12R (44-19)	7/11/2002	<0.04	167	0.70	<0.24	--	<0.3	<0.04
FSW 575-M02-13BU (44-19)	7/11/2002	<0.04	174	0.64	<0.24	--	<0.3	<0.04
FSW 575-M02-14BK (44-19)	7/11/2002	<0.04	177	0.69	<0.24	--	<0.3	0.06
FSW 575-M02-15W (44-19)	7/11/2002	<0.04	178	0.95	<0.24	--	<0.3	0.05
FSW 575-M01-01PT	8/30/2004	<0.04	236	0.55	<0.24	--	<0.3	<0.04
FSW 575-M01-01PT-D	8/30/2004	<0.04	242	0.56	<0.24	--	<0.3	<0.04
FSW 575-M01-02GNT	8/30/2004	<0.04	241	0.49	<0.24	--	<0.3	<0.04
FSW 575-M01-03RT	8/30/2004	<0.04	243	0.51	<0.24	--	<0.3	<0.04
FSW 575-M01-04BUT	8/30/2004	<0.04	221	0.26	<0.24	--	<0.3	<0.04
FSW 575-M01-05BKT	8/30/2004	<0.04	211	0.35	<0.24	--	<0.3	<0.04
FSW 575-M01-06WT	8/30/2004	<0.04	205	0.26	<0.24	--	<0.3	<0.04

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
FSW 575-M01-07O	8/30/2004	<0.04	194	0.19	<0.24	--	<0.3	<0.04
FSW 575-M01-08GY	8/30/2004	<0.04	189	0.19	<0.24	--	<0.3	<0.04
FSW 575-M01-08GY-D	8/30/2004	<0.04	193	0.19	<0.24	--	<0.3	<0.04
FSW 575-M01-09Y	8/30/2004	<0.04	194	0.13	<0.24	--	<0.3	<0.04
FSW 575-M01-10P	8/30/2004	<0.04	190	0.15	<0.24	--	<0.3	<0.04
FSW 575-M01-11GN	8/30/2004	--	--	--	--	--	--	--
FSW 575-M01-12R	8/30/2004	--	--	--	--	--	--	--
FSW 575-M01-13BU	8/30/2004	<0.04	220	0.22	<0.24	--	<0.3	<0.04
FSW 575-M01-14BK	8/30/2004	<0.04	232	0.24	<0.24	--	<0.3	<0.04
FSW 575-M01-15W	8/30/2004	<0.04	244	0.25	<0.24	--	<0.3	<0.04
FSW 575-M02-01PT (44-19)	8/30/2004	<0.04	99	0.08	<0.24	--	<0.3	<0.04
FSW 575-M02-02GNT (44-19)	8/30/2004	<0.04	115	0.14	<0.24	--	<0.3	<0.04
FSW 575-M02-02GNT (44-19)-D	8/30/2004	<0.04	118	0.15	<0.24	--	<0.3	<0.04
FSW 575-M02-03RT (44-19)	8/30/2004	<0.04	155	0.36	<0.24	--	<0.3	<0.04
FSW 575-M02-04BUT (44-19)	8/30/2004	<0.04	186	0.65	<0.24	--	<0.3	<0.04
FSW 575-M02-05BKT (44-19)	8/30/2004	<0.04	198	0.83	<0.24	--	<0.3	<0.04
FSW 575-M02-06WT (44-19)	8/30/2004	<0.04	188	0.86	<0.24	--	<0.3	<0.04
FSW 575-M02-07O (44-19)	8/30/2004	<0.04	190	0.89	<0.24	--	<0.3	<0.04
FSW 575-M02-08GY (44-19)	8/30/2004	<0.04	178	0.85	<0.24	--	<0.3	<0.04
FSW 575-M02-09Y (44-19)	8/30/2004	<0.04	182	0.83	<0.24	--	<0.3	<0.04
FSW 575-M02-10P (44-19)	8/30/2004	<0.04	188	0.70	<0.24	--	<0.3	<0.04
FSW 575-M02-11GN (44-19)	8/30/2004	<0.04	198	0.68	<0.24	--	<0.3	<0.04
FSW 575-M02-12R (44-19)	8/30/2004	<0.04	198	0.56	<0.24	--	<0.3	<0.04
FSW 575-M02-13BU (44-19)	8/30/2004	<0.04	199	0.39	<0.24	--	<0.3	<0.04
FSW 575-M02-14BK (44-19)	8/30/2004	<0.04	206	0.39	<0.24	--	<0.3	<0.04

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
FSW 575-M02-15W (44-19)	8/30/2004	<0.04	217	0.39	<0.24	--	<0.3	<0.04
FSW 577-0061	9/13/1995	<0.48	194	--	--	--	--	<0.25
FSW 577-0071	9/13/1995	<0.48	180	--	--	--	--	<0.25
FSW 577-0081	9/13/1995	<0.48	217	--	--	--	--	<0.25
FSW 577-0097	9/13/1995	<0.48	190	--	--	--	--	<0.25
FSW 577-0111	9/13/1995	<0.48	175	--	--	--	--	<0.25
FSW 577-0126	9/13/1995	<0.48	167	--	--	--	--	<0.25
FSW 577-0142	9/13/1995	<0.48	177	--	--	--	--	<0.25
FSW 577-0051	12/6/1995	<0.48	229	--	--	--	--	3.33
FSW 577-0061	12/6/1995	<0.48	214	--	--	--	--	<0.25
FSW 577-0071	12/6/1995	<0.48	206	--	--	--	--	<0.25
FSW 577-0081	12/7/1995	<0.48	188	--	--	--	--	<0.25
FSW 577-0097	12/7/1995	<0.48	197	--	--	--	--	<0.25
FSW 577-0111	12/7/1995	<0.48	186	--	--	--	--	<0.25
FSW 577-0126	12/7/1995	<0.48	167	--	--	--	--	<0.25
FSW 577-0142	12/7/1995	<0.48	178	--	--	--	--	<0.25
FSW 577-0142-D	12/7/1995	<0.48	120	--	--	--	--	<0.25
FSW 577-0051	6/21/1996	<0.48	202	--	--	--	--	1.65
FSW 577-0051-R	6/21/1996	<0.48	201	--	--	--	--	1.66
FSW 577-0061	6/21/1996	<0.48	247	--	--	--	--	0.62
FSW 577-0061-R	6/21/1996	<0.48	240	--	--	--	--	0.60
FSW 577-0071	6/21/1996	<0.48	244	--	--	--	--	0.42
FSW 577-0071-R	6/21/1996	<0.48	239	--	--	--	--	0.41

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
FSW 577-0081	6/21/1996	<0.48	282	--	--	--	--	<0.25
FSW 577-0081-R	6/21/1996	<0.48	290	--	--	--	--	<0.25
FSW 577-0097	6/21/1996	<0.48	222	--	--	--	--	<0.25
FSW 577-0097-D	6/21/1996	<0.48	222	--	--	--	--	0.41
FSW 577-0097-R	6/21/1996	<0.48	218	--	--	--	--	<0.25
FSW 577-0111	6/21/1996	<0.48	192	--	--	--	--	0.31
FSW 577-0111-R	6/21/1996	<0.48	190	--	--	--	--	0.34
FSW 577-0126	6/21/1996	<0.48	176	--	--	--	--	0.33
FSW 577-0126-R	6/21/1996	<0.48	171	--	--	--	--	0.32
FSW 577-0142	6/21/1996	<0.48	185	--	--	--	--	0.28
FSW 577-0142-R	6/21/1996	<0.48	182	--	--	--	--	0.29
FSW 577-0051	11/19/1996	<0.48	203	0.41	--	--	--	1.61
FSW 577-0061	11/19/1996	<0.48	215	0.42	--	--	--	0.25
FSW 577-0071	11/19/1996	<0.48	185	0.41	--	--	--	<0.25
FSW 577-0081	11/19/1996	<0.48	240	0.62	--	--	--	<0.25
FSW 577-0097	11/19/1996	<0.48	242	0.15	--	--	--	<0.25
FSW 577-0097-D	11/19/1996	<0.48	234	0.14	--	--	--	0.41
FSW 577-0111	11/19/1996	<0.48	173	0.23	--	--	--	0.46
FSW 577-0126	11/19/1996	<0.48	175	0.26	--	--	--	0.27
FSW 577-0142	11/19/1996	<0.48	192	0.17	--	--	--	<0.25
FSW 577-0051	2/28/1997	<0.48	188	--	--	--	--	1.38
FSW 577-0061	2/28/1997	<0.48	192	--	--	--	--	0.26
FSW 577-0071	2/28/1997	<0.48	189	--	--	--	--	<0.25
FSW 577-0081	2/28/1997	<0.48	201	--	--	--	--	0.29

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
FSW 577-0081-D	2/28/1997	<0.48	213	--	--	--	--	0.39
FSW 577-0097	2/28/1997	<0.48	207	--	--	--	--	<0.25
FSW 577-0111	2/28/1997	<0.48	177	--	--	--	--	<0.25
FSW 577-0126	2/28/1997	--	--	--	--	--	--	--
FSW 577-0142	2/28/1997	--	--	--	--	--	--	--
FSW 577-0051	5/29/1997	<0.48	196	--	--	--	--	1.61
FSW 577-0061	5/29/1997	<0.48	199	--	--	--	--	0.25
FSW 577-0071	5/29/1997	<0.48	188	--	--	--	--	<0.25
FSW 577-0081	5/29/1997	<0.48	192	--	--	--	--	0.29
FSW 577-0097	5/29/1997	<0.48	190	--	--	--	--	0.29
FSW 577-0111	5/29/1997	<0.48	172	--	--	--	--	0.27
FSW 577-0126	5/29/1997	<0.48	166	--	--	--	--	<0.25
FSW 577-0126-D	5/29/1997	<0.48	170	--	--	--	--	<0.25
FSW 577-0142	5/29/1997	<0.48	176	--	--	--	--	<0.25
FSW 577-0051	8/25/1997	<0.48	195	0.28	--	--	--	1.25
FSW 577-0061	8/25/1997	<0.48	180	0.42	--	--	--	<0.25
FSW 577-0071	8/25/1997	<0.48	205	0.31	--	--	--	<0.25
FSW 577-0071-D	8/25/1997	<0.48	201	0.31	--	--	--	<0.25
FSW 577-0081	8/25/1997	<0.48	233	0.46	--	--	--	<0.25
FSW 577-0097	8/25/1997	<0.48	191	0.17	--	--	--	<0.25
FSW 577-0111	8/25/1997	<0.48	186	0.33	--	--	--	<0.25
FSW 577-0126	8/25/1997	<0.48	179	0.22	--	--	--	<0.25
FSW 577-0142	8/25/1997	<0.48	189	0.11	--	--	--	<0.25

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
FSW 577-0051	11/13/1997	<0.48	194	0.35	--	--	--	1.50
FSW 577-0061	11/13/1997	<0.48	180	0.39	--	--	--	<0.25
FSW 577-0071	11/13/1997	<0.48	210	0.36	--	--	--	<0.25
FSW 577-0071-D	11/13/1997	<0.48	208	0.36	--	--	--	<0.25
FSW 577-0081	11/13/1997	<0.48	224	0.37	--	--	--	<0.25
FSW 577-0097	11/13/1997	<0.48	184	0.16	--	--	--	<0.25
FSW 577-0111	11/13/1997	<0.48	177	0.31	--	--	--	<0.25
FSW 577-0126	11/13/1997	<0.48	173	0.21	--	--	--	<0.25
FSW 577-0142	11/13/1997	<0.48	180	0.10	--	--	--	<0.25
FSW 577-0051	6/18/1998	<0.48	176	0.24	--	--	--	1.26
FSW 577-0061	6/18/1998	<0.48	175	0.60	--	--	--	<0.25
FSW 577-0071	6/18/1998	<0.48	208	0.36	--	--	--	<0.25
FSW 577-0071-D	6/18/1998	<0.48	209	0.36	--	--	--	<0.25
FSW 577-0081	6/18/1998	<0.48	221	0.47	--	--	--	<0.25
FSW 577-0097	6/18/1998	<0.48	195	0.22	--	--	--	<0.25
FSW 577-0111	6/18/1998	<0.48	193	0.54	--	--	--	<0.25
FSW 577-0126	6/18/1998	<0.48	174	0.20	--	--	--	<0.25
FSW 577-0142	6/18/1998	<0.48	181	0.10	--	--	--	<0.25
FSW 577-0051	11/17/1998	<0.48	216	0.37	--	--	--	2.17
FSW 577-0061	11/17/1998	<0.48	211	0.76	--	--	--	0.30
FSW 577-0061-D	11/17/1998	<0.48	198	0.71	--	--	--	<0.25
FSW 577-0071	11/17/1998	<0.48	242	0.40	--	--	--	0.32
FSW 577-0081	11/17/1998	<0.48	262	0.50	--	--	--	0.29
FSW 577-0097	11/17/1998	<0.48	205	0.32	--	--	--	0.37

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
FSW 577-0111	11/17/1998	<0.48	211	0.33	--	--	--	0.26
FSW 577-0126	11/17/1998	<0.48	192	0.22	--	--	--	0.29
FSW 577-0142	11/17/1998	<0.48	226	0.13	--	--	--	0.45
FSW 577-0051	6/30/1999	<0.48	167	0.38	--	--	--	2.13
FSW 577-0051-X	6/30/1999	<0.48	168	<0.01	--	--	--	<0.25
FSW 577-0061	6/30/1999	<0.48	165	0.39	--	--	--	<0.25
FSW 577-0071	6/30/1999	<0.48	201	0.35	--	--	--	<0.25
FSW 577-0081	6/30/1999	<0.48	220	0.45	--	--	--	<0.25
FSW 577-0081-D	6/30/1999	<0.48	244	0.50	--	--	--	<0.25
FSW 577-0097	6/30/1999	<0.48	182	0.35	--	--	--	<0.25
FSW 577-0111	6/30/1999	<0.48	180	0.23	--	--	--	<0.25
FSW 577-0126	6/30/1999	<0.48	181	0.19	--	--	--	<0.25
FSW 577-0142	6/30/1999	<0.48	195	0.11	--	--	--	<0.25
FSW 577-0051	6/23/2000	<0.04	129	0.42	--	--	<0.3	2.37
FSW 577-0051-X	6/23/2000	<0.04	132	<0.006	--	--	<0.3	0.26
FSW 577-0061	6/23/2000	<0.04	117	0.66	--	--	0.20	0.20
FSW 577-0061-D	6/23/2000	<0.04	178	0.77	--	--	0.23	0.33
FSW 577-0071	6/23/2000	<0.04	170	0.58	--	--	<0.3	0.38
FSW 577-0081	6/23/2000	<0.04	210	0.65	--	--	<0.3	0.23
FSW 577-0097	6/23/2000	<0.04	203	0.68	--	--	<0.3	0.33
FSW 577-0111	6/22/2000	<0.04	127	0.26	--	--	<0.3	0.17
FSW 577-0126	6/22/2000	<0.04	131	0.25	--	--	<0.3	0.26
FSW 577-0142	6/22/2000	<0.04	129	0.14	--	--	<0.3	0.17

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
FSW 577-0051	8/15/2002	<0.04	152	0.28	<0.24	--	<0.3	1.70
FSW 577-0061	8/15/2002	<0.04	153	0.30	<0.24	--	<0.3	1.27
FSW 577-0071	8/15/2002	<0.04	159	0.28	<0.24	--	<0.3	0.79
FSW 577-0081	8/15/2002	<0.04	222	0.33	<0.24	--	<0.3	0.98
FSW 577-0097	8/15/2002	<0.04	173	0.31	<0.24	--	<0.3	1.16
FSW 577-0111	8/15/2002	<0.04	161	0.23	<0.24	--	<0.3	0.04
FSW 577-0126	8/15/2002	<0.04	162	0.26	<0.24	--	<0.3	0.05
FSW 577-0142	8/15/2002	<0.04	170	0.18	<0.24	--	<0.3	0.07
FSW 577-0051	8/2/2004	<0.04	161	0.26	<0.24	<0.25	<0.3	1.67
FSW 577-0051-D	8/2/2004	<0.04	164	0.28	<0.24	<0.25	<0.3	7.17
FSW 577-0061	8/2/2004	<0.04	179	0.31	<0.24	<0.25	<0.3	<0.04
FSW 577-0071	8/2/2004	<0.04	205	0.39	<0.24	<0.25	<0.3	0.08
FSW 577-0081	8/2/2004	<0.04	223	0.28	<0.24	<0.25	<0.3	0.08
FSW 577-0097	8/2/2004	<0.04	203	0.39	<0.24	<0.25	<0.3	0.12
FSW 577-0111	8/2/2004	<0.04	200	0.80	<0.24	<0.25	<0.3	1.57
FSW 577-0126	8/2/2004	<0.04	188	0.64	<0.24	<0.25	<0.3	0.09
FSW 577-0142	8/2/2004	<0.04	198	0.19	<0.24	<0.25	<0.3	4.13
FSW 586-0058	6/15/1996	<0.48	201	--	--	--	--	1.82
FSW 586-0068	6/15/1996	<0.48	223	--	--	--	--	<0.25
FSW 586-0078	6/15/1996	<0.48	242	--	--	--	--	<0.25
FSW 586-0088	6/15/1996	<0.48	215	--	--	--	--	<0.25
FSW 586-0098	6/15/1996	<0.48	191	--	--	--	--	<0.25
FSW 586-0113	6/15/1996	<0.48	172	--	--	--	--	0.28
FSW 586-0128	6/15/1996	<0.48	166	--	--	--	--	<0.25

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
FSW 586-0128-D	6/15/1996	<0.48	166	--	--	--	--	<0.25
FSW 586-0143	6/15/1996	<0.48	185	--	--	--	--	<0.25
FSW 586-0058	11/22/1996	<0.48	221	0.88	--	--	--	3.94
FSW 586-0068	11/22/1996	<0.48	239	1.32	--	--	--	<0.25
FSW 586-0078	11/22/1996	<0.48	253	0.40	--	--	--	0.26
FSW 586-0088	11/22/1996	<0.48	251	0.10	--	--	--	0.26
FSW 586-0098	11/22/1996	<0.48	204	0.09	--	--	--	0.35
FSW 586-0113	11/22/1996	<0.48	138	0.12	--	--	--	<0.25
FSW 586-0113-D	11/22/1996	<0.48	158	0.13	--	--	--	<0.25
FSW 586-0128	11/22/1996	<0.48	163	0.08	--	--	--	0.36
FSW 586-0143	11/22/1996	<0.48	182	0.22	--	--	--	<0.25
FSW 586-0058	3/6/1997	<0.48	214	--	--	--	--	2.27
FSW 586-0068	3/6/1997	<0.48	252	--	--	--	--	0.25
FSW 586-0078	3/6/1997	<0.48	252	--	--	--	--	0.31
FSW 586-0088	3/6/1997	<0.48	266	--	--	--	--	0.26
FSW 586-0098	3/6/1997	<0.48	223	--	--	--	--	<0.25
FSW 586-0098-D	3/6/1997	<0.48	229	--	--	--	--	0.31
FSW 586-0113	3/6/1997	<0.48	180	--	--	--	--	0.40
FSW 586-0128	3/6/1997	<0.48	171	--	--	--	--	0.55
FSW 586-0143	3/6/1997	<0.48	197	--	--	--	--	0.27
FSW 586-0058	6/10/1997	<0.48	196	--	--	--	--	3.15
FSW 586-0068	6/10/1997	<0.48	212	--	--	--	--	<0.25
FSW 586-0078	6/10/1997	<0.48	210	--	--	--	--	<0.25

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
FSW 586-0088	6/10/1997	<0.48	255	--	--	--	--	0.26
FSW 586-0098	6/10/1997	<0.48	224	--	--	--	--	0.30
FSW 586-0113	6/10/1997	<0.48	180	--	--	--	--	0.28
FSW 586-0128	6/10/1997	<0.48	169	--	--	--	--	<0.25
FSW 586-0143	6/10/1997	<0.48	190	--	--	--	--	0.29
FSW 586-0143-D	6/10/1997	<0.48	187	--	--	--	--	<0.25
FSW 586-0058	8/26/1997	<0.48	189	0.33	--	--	--	1.87
FSW 586-0068	8/26/1997	<0.48	208	1.03	--	--	--	<0.25
FSW 586-0078	8/26/1997	<0.48	197	0.34	--	--	--	<0.25
FSW 586-0088	8/26/1997	<0.48	235	0.02	--	--	--	<0.25
FSW 586-0088-D	8/26/1997	<0.48	234	0.03	--	--	--	0.34
FSW 586-0098	8/26/1997	<0.48	215	0.02	--	--	--	0.32
FSW 586-0113	8/26/1997	<0.48	172	0.20	--	--	--	0.34
FSW 586-0128	8/26/1997	<0.48	166	0.24	--	--	--	0.30
FSW 586-0143	8/26/1997	<0.48	181	0.17	--	--	--	<0.25
FSW 586-0058	11/6/1997	<0.48	202	0.49	--	--	--	2.53
FSW 586-0068	11/6/1997	<0.48	211	0.47	--	--	--	<0.25
FSW 586-0078	11/6/1997	<0.48	212	0.27	--	--	--	<0.25
FSW 586-0078-D	11/6/1997	<0.48	208	0.28	--	--	--	<0.25
FSW 586-0088	11/6/1997	<0.48	233	0.04	--	--	--	<0.25
FSW 586-0098	11/7/1997	<0.48	218	0.05	--	--	--	<0.25
FSW 586-0113	11/7/1997	<0.48	178	0.14	--	--	--	<0.25
FSW 586-0128	11/7/1997	<0.48	170	0.23	--	--	--	<0.25
FSW 586-0143	11/7/1997	<0.48	187	0.16	--	--	--	<0.25

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
FSW 586-0058	7/9/1998	<0.48	217	0.57	--	--	--	3.19
FSW 586-0068	7/9/1998	<0.48	191	0.45	--	--	--	<0.25
FSW 586-0078	7/9/1998	<0.48	225	0.31	--	--	--	<0.25
FSW 586-0088	7/9/1998	<0.48	229	0.05	--	--	--	<0.25
FSW 586-0088-D	7/9/1998	<0.48	223	0.04	--	--	--	<0.25
FSW 586-0098	7/9/1998	<0.48	200	0.03	--	--	--	<0.25
FSW 586-0113	7/9/1998	<0.48	188	0.18	--	--	--	0.42
FSW 586-0128	7/9/1998	<0.48	182	0.30	--	--	--	0.31
FSW 586-0143	7/9/1998	<0.48	198	0.15	--	--	--	0.28
FSW 586-0058	11/19/1998	<0.48	208	0.44	--	--	--	2.74
FSW 586-0068	11/19/1998	<0.48	196	0.67	--	--	--	0.27
FSW 586-0078	11/19/1998	<0.48	245	0.38	--	--	--	0.26
FSW 586-0078-D	11/19/1998	<0.48	241	0.37	--	--	--	<0.25
FSW 586-0088	11/19/1998	<0.48	235	0.05	--	--	--	0.25
FSW 586-0098	11/19/1998	<0.48	195	0.04	--	--	--	0.26
FSW 586-0113	11/19/1998	<0.48	223	0.49	--	--	--	0.25
FSW 586-0128	11/19/1998	<0.48	199	0.40	--	--	--	0.32
FSW 586-0143	11/19/1998	<0.48	201	0.14	--	--	--	0.27
FSW 586-0058	7/12/1999	<0.48	204	0.55	--	--	--	3.33
FSW 586-0068	7/12/1999	<0.48	180	0.56	--	--	--	<0.25
FSW 586-0078	7/12/1999	<0.48	242	0.40	--	--	--	<0.25
FSW 586-0088	7/12/1999	<0.48	224	0.04	--	--	--	<0.25
FSW 586-0098	7/12/1999	<0.48	207	0.05	--	--	--	<0.25

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
FSW 586-0113	7/12/1999	<0.48	196	0.37	--	--	--	<0.25
FSW 586-0128	7/12/1999	<0.48	182	0.28	--	--	--	<0.25
FSW 586-0143	7/12/1999	<0.48	206	0.15	--	--	--	<0.25
FSW 586-0058	6/21/2000	<0.04	129	0.47	<0.24	--	<0.3	2.90
FSW 586-0068	6/21/2000	<0.04	119	0.69	<0.24	--	<0.3	<0.25
FSW 586-0078	6/21/2000	<0.04	189	0.40	<0.24	--	<0.3	<0.25
FSW 586-0078	6/21/2000	<0.04	196	0.40	<0.24	--	<0.3	<0.25
FSW 586-0088	6/21/2000	<0.04	246	0.16	<0.24	--	<0.3	<0.25
FSW 586-0098	6/21/2000	<0.04	129	0.09	<0.24	--	<0.3	<0.25
FSW 586-0113	6/21/2000	<0.04	125	0.23	<0.24	--	<0.3	<0.25
FSW 586-0128	6/21/2000	<0.04	129	0.29	<0.24	--	<0.3	0.25
FSW 586-0143	6/21/2000	<0.04	134	0.18	<0.24	--	<0.3	<0.25
FSW 586-0058	7/31/2002	<0.04	187	0.60	<0.24	--	<0.3	3.07
FSW 586-0058-D	7/31/2002	<0.04	188	0.59	<0.24	--	<0.3	3.13
FSW 586-0068	7/31/2002	<0.04	135	0.44	<0.24	--	<0.3	0.05
FSW 586-0078	7/31/2002	<0.04	161	0.26	<0.24	--	<0.3	<0.04
FSW 586-0088	7/31/2002	<0.04	197	0.16	<0.24	--	<0.3	0.06
FSW 586-0098	7/31/2002	<0.04	174	0.14	<0.24	--	<0.3	0.09
FSW 586-0113	7/31/2002	<0.04	156	0.15	<0.24	--	<0.3	0.05
FSW 586-0128	7/31/2002	<0.04	180	0.30	<0.24	--	<0.3	0.06
FSW 586-0143	7/31/2002	<0.04	190	0.16	<0.24	--	<0.3	0.04
FSW 586-0058	8/2/2004	<0.04	178	0.45	<0.24	<0.25	<0.3	2.61
FSW 586-0068	8/2/2004	<0.04	178	0.34	<0.24	<0.25	<0.3	0.04

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
FSW 586-0078	8/2/2004	<0.04	219	0.26	<0.24	<0.25	<0.3	0.17
FSW 586-0088	8/2/2004	<0.04	207	0.07	<0.24	<0.25	<0.3	0.41
FSW 586-0098	8/2/2004	<0.04	187	0.06	<0.24	<0.25	<0.3	<0.04
FSW 586-0113	8/2/2004	<0.04	196	0.47	<0.24	<0.25	<0.3	<0.04
FSW 586-0128	8/2/2004	<0.04	178	0.39	<0.24	<0.25	<0.3	2.68
FSW 586-0143	8/2/2004	<0.04	191	0.17	<0.24	<0.25	<0.3	<0.04
FSW 586-0143-D	8/2/2004	<0.04	194	0.18	<0.24	<0.25	<0.3	4.03
SDW 436-M01-02GNT	7/12/2002	<0.04	207.2	0.63	<0.24	--	<0.3	4.71
SDW 436-M01-03RT	7/12/2002	<0.04	183.7	0.76	<0.24	--	<0.3	3.20
SDW 436-M01-04BUT	7/12/2002	<0.04	162.6	0.53	<0.24	--	<0.3	2.20
SDW 436-M01-05BKT	7/12/2002	<0.04	161.2	0.44	<0.24	--	<0.3	1.66
SDW 436-M01-06WT	7/12/2002	<0.04	188.2	0.46	<0.24	--	<0.3	2.28
SDW 436-M01-07O	7/12/2002	<0.04	192.1	0.26	<0.24	--	<0.3	2.00
SDW 436-M01-07O-D	7/12/2002	<0.04	201.2	0.28	<0.24	--	<0.3	2.08
SDW 436-M01-08GY	7/12/2002	<0.04	206.5	0.17	<0.24	--	<0.3	0.94
SDW 436-M01-09Y	7/12/2002	<0.04	214.4	0.18	<0.24	--	<0.3	0.90
SDW 436-M01-10P	7/12/2002	<0.04	198.9	0.27	<0.24	--	<0.3	0.93
SDW 436-M01-11GN	7/12/2002	<0.04	198.0	0.28	<0.24	--	<0.3	1.18
SDW 436-M01-12R	7/12/2002	<0.04	186.3	0.39	<0.24	--	<0.3	0.30
SDW 436-M01-13BU	7/12/2002	<0.04	174.1	0.16	<0.24	--	<0.3	0.42
SDW 436-M01-14BK	7/12/2002	<0.04	188.3	0.23	<0.24	--	<0.3	0.18
SDW 436-M01-15W	7/12/2002	<0.04	203.1	0.40	<0.24	--	<0.3	0.23
SDW 436-M01-01PT	5/27/2003	<0.04	146.2	0.24	<0.24	<0.25	<0.3	0.75
SDW 436-M01-02GNT	5/27/2003	<0.04	197.5	0.48	<0.24	<0.25	<0.3	5.92

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
SDW 436-M01-02GNT-D	5/27/2003	<0.04	202.8	0.49	<0.24	<0.25	<0.3	6.01
SDW 436-M01-03RT	5/27/2003	<0.04	213.4	0.46	<0.24	<0.25	<0.3	3.31
SDW 436-M01-04BUT	5/27/2003	<0.04	217.0	0.37	<0.24	<0.25	<0.3	2.32
SDW 436-M01-05BKT	5/27/2003	<0.04	185.9	0.40	<0.24	<0.25	<0.3	2.44
SDW 436-M01-06WT	5/27/2003	<0.04	191.2	0.33	<0.24	<0.25	<0.3	2.30
SDW 436-M01-07O	5/27/2003	<0.04	201.1	0.18	<0.24	<0.25	<0.3	2.30
SDW 436-M01-08GY	5/27/2003	<0.04	225.0	0.10	<0.24	<0.25	<0.3	0.90
SDW 436-M01-09Y	5/27/2003	<0.04	221.2	0.12	<0.24	<0.25	<0.3	0.88
SDW 436-M01-10P	5/27/2003	<0.04	220.5	0.24	<0.24	<0.25	<0.3	1.36
SDW 436-M01-11GN	5/27/2003	<0.04	202.3	0.28	<0.24	<0.25	<0.3	1.58
SDW 436-M01-12R	5/27/2003	<0.04	198.3	0.36	<0.24	<0.25	<0.3	0.09
SDW 436-M01-13BU	5/27/2003	<0.04	192.3	0.25	<0.24	<0.25	<0.3	0.71
SDW 436-M01-13BU-D	5/27/2003	<0.04	193.2	0.25	<0.24	<0.25	<0.3	0.72
SDW 436-M01-14BK	5/27/2003	<0.04	193.4	0.15	<0.24	<0.25	<0.3	0.09
SDW 436-M01-15W	5/27/2003	<0.04	209.3	0.18	<0.24	<0.25	<0.3	<0.04
SDW 436-M01-01PT	8/26/2004	<0.04	161.6	0.27	<0.24	<0.25	<0.3	0.79
SDW 436-M01-02GNT	8/26/2004	<0.04	166.6	0.44	<0.24	<0.25	<0.3	8.41
SDW 436-M01-02GNT-X	8/26/2004	<0.04	165.8	0.03	<0.24	<0.25	<0.3	0.22
SDW 436-M01-03RT	8/26/2004	<0.04	196.8	0.54	<0.24	<0.25	<0.3	3.02
SDW 436-M01-04BUT	8/26/2004	<0.04	190.2	0.47	<0.24	<0.25	<0.3	4.67
SDW 436-M01-04BUT-X	8/26/2004	<0.04	193.7	0.01	<0.24	<0.25	<0.3	0.13
SDW 436-M01-05BKT	8/26/2004	<0.04	162.2	0.52	<0.24	<0.25	<0.3	6.09
SDW 436-M01-06WT	8/26/2004	<0.04	168.2	0.84	<0.24	<0.25	<0.3	3.79
SDW 436-M01-06WT-D	8/26/2004	<0.04	163.6	0.83	<0.24	<0.25	<0.3	8.75
SDW 436-M01-07O	8/26/2004	<0.04	172.5	0.33	<0.24	<0.25	<0.3	2.96

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
SDW 436-M01-08GY	8/26/2004	<0.04	189.0	0.18	<0.24	<0.25	<0.3	1.50
SDW 436-M01-09Y	8/26/2004	<0.04	196.0	0.24	<0.24	<0.25	<0.3	1.64
SDW 436-M01-10P	8/26/2004	<0.04	186.6	0.55	<0.24	<0.25	<0.3	2.78
SDW 436-M01-11GN	8/26/2004	<0.04	173.6	0.93	<0.24	<0.25	<0.3	6.07
SDW 436-M01-12R	8/26/2004	<0.04	178.6	0.62	<0.24	<0.25	<0.3	4.34
SDW 436-M01-13BU	8/26/2004	<0.04	178.7	0.65	<0.24	<0.25	<0.3	0.84
SDW 436-M01-14BK	8/26/2004	<0.04	180.7	0.60	<0.24	<0.25	<0.3	0.31
SDW 436-M01-15W	8/26/2004	<0.04	193.7	0.26	<0.24	<0.25	<0.3	2.96
SDW 469-M01-01PT	9/27/1995	--	--	--	--	--	--	--
SDW 469-M01-02GNT	9/27/1995	<0.48	218	--	--	--	--	0.90
SDW 469-M01-03RT	9/27/1995	<0.48	229	--	--	--	--	0.62
SDW 469-M01-04BUT	9/27/1995	<0.48	227	--	--	--	--	0.52
SDW 469-M01-05BKT	9/27/1995	<0.48	237	--	--	--	--	0.66
SDW 469-M01-06WT	9/27/1995	<0.48	210	--	--	--	--	1.52
SDW 469-M01-07O	9/27/1995	<0.48	218	--	--	--	--	2.04
SDW 469-M01-08GY	9/27/1995	<0.48	178	--	--	--	--	1.31
SDW 469-M01-09Y	9/27/1995	<0.48	164	--	--	--	--	<0.25
SDW 469-M01-10P	9/27/1995	<0.48	173	--	--	--	--	<0.25
SDW 469-M01-11GN	9/27/1995	<0.48	190	--	--	--	--	<0.25
SDW 469-M01-12R	9/27/1995	<0.48	192	--	--	--	--	<0.25
SDW 469-M01-13BU	9/27/1995	<0.48	160	--	--	--	--	<0.25
SDW 469-M01-14BK	9/27/1995	<0.48	156	--	--	--	--	<0.25
SDW 469-M01-15W	9/27/1995	<0.48	170	--	--	--	--	<0.25
SDW 469-M01-01PT	11/28/1995	--	--	--	--	--	--	--

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
SDW 469-M01-02GNT	11/28/1995	<0.48	195	--	--	--	--	0.99
SDW 469-M01-03RT	11/28/1995	<0.48	208	--	--	--	--	0.77
SDW 469-M01-03RT-R	11/28/1995	<0.48	202	--	--	--	--	0.57
SDW 469-M01-03RT-X	11/28/1995	<0.48	201	--	--	--	--	<0.25
SDW 469-M01-04BUT	11/28/1995	<0.48	228	--	--	--	--	0.45
SDW 469-M01-05BKT	11/28/1995	<0.48	241	--	--	--	--	0.98
SDW 469-M01-06WT	11/28/1995	<0.48	235	--	--	--	--	2.02
SDW 469-M01-06WT-R	11/28/1995	<0.48	228	--	--	--	--	1.68
SDW 469-M01-06WT-X	11/28/1995	<0.48	229	--	--	--	--	<0.25
SDW 469-M01-07O	11/28/1995	<0.48	236	--	--	--	--	1.45
SDW 469-M01-08GY	11/28/1995	<0.48	229	--	--	--	--	1.09
SDW 469-M01-09Y	11/28/1995	<0.48	169	--	--	--	--	<0.25
SDW 469-M01-10P	11/28/1995	<0.48	143	--	--	--	--	<0.25
SDW 469-M01-11GN	11/28/1995	<0.48	174	--	--	--	--	<0.25
SDW 469-M01-11GN-D	11/28/1995	<0.48	175	--	--	--	--	<0.25
SDW 469-M01-12R	11/28/1995	<0.48	199	--	--	--	--	<0.25
SDW 469-M01-12R-R	11/28/1995	<0.48	195	--	--	--	--	<0.25
SDW 469-M01-12R-X	11/28/1995	<0.48	197	--	--	--	--	<0.25
SDW 469-M01-13BU	11/28/1995	<0.48	171	--	--	--	--	0.26
SDW 469-M01-14BK	11/28/1995	<0.48	161	--	--	--	--	<0.25
SDW 469-M01-15W	11/28/1995	<0.48	174	--	--	--	--	<0.25
SDW 469-M01-01PT	1/25/1996	--	--	--	--	--	--	--
SDW 469-M01-02GNT	1/25/1996	<0.48	155	--	--	--	--	0.92
SDW 469-M01-02GNT-D	1/25/1996	<0.48	149	--	--	--	--	0.84
SDW 469-M01-03RT	1/25/1996	<0.48	170	--	--	--	--	0.54

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
SDW 469-M01-03RT-X	1/25/1996	<0.48	163	--	--	--	--	0.35
SDW 469-M01-04BUT	1/25/1996	<0.48	181	--	--	--	--	0.60
SDW 469-M01-05BKT	1/25/1996	<0.48	166	--	--	--	--	1.26
SDW 469-M01-06WT	1/25/1996	<0.48	161	--	--	--	--	2.11
SDW 469-M01-06WT-X	1/25/1996	<0.48	156	--	--	--	--	1.14
SDW 469-M01-07O	1/25/1996	<0.48	180	--	--	--	--	1.39
SDW 469-M01-08GY	1/25/1996	<0.48	193	--	--	--	--	0.99
SDW 469-M01-09Y	1/25/1996	<0.48	165	--	--	--	--	0.33
SDW 469-M01-10P	1/25/1996	<0.48	150	--	--	--	--	<0.25
SDW 469-M01-11GN	1/25/1996	<0.48	153	--	--	--	--	<0.25
SDW 469-M01-11GN-D	1/25/1996	<0.48	147	--	--	--	--	<0.25
SDW 469-M01-12R	1/25/1996	<0.48	171	--	--	--	--	<0.25
SDW 469-M01-12R-X	1/25/1996	<0.48	163	--	--	--	--	<0.25
SDW 469-M01-13BU	1/25/1996	<0.48	137	--	--	--	--	<0.25
SDW 469-M01-14BK	1/25/1996	<0.48	137	--	--	--	--	<0.25
SDW 469-M01-15W	1/25/1996	<0.48	142	--	--	--	--	<0.25
SDW 469-M01-01PT	3/21/1996	--	--	--	--	--	--	--
SDW 469-M01-02GNT	3/21/1996	<0.48	197	--	--	--	--	0.46
SDW 469-M01-03RT	3/21/1996	<0.48	219	--	--	--	--	0.41
SDW 469-M01-03RT-D	3/21/1996	<0.48	231	--	--	--	--	0.55
SDW 469-M01-03RT-X	3/21/1996	<0.48	218	--	--	--	--	<0.25
SDW 469-M01-04BUT	3/21/1996	<0.48	205	--	--	--	--	0.72
SDW 469-M01-05BKT	3/21/1996	<0.48	195	--	--	--	--	1.34
SDW 469-M01-06WT	3/21/1996	<0.48	207	--	--	--	--	1.71
SDW 469-M01-06WT-X	3/21/1996	<0.48	206	--	--	--	--	<0.25

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
SDW 469-M01-07O	3/21/1996	<0.48	224	--	--	--	--	0.25
SDW 469-M01-08GY	3/21/1996	<0.48	229	--	--	--	--	0.67
SDW 469-M01-09Y	3/21/1996	<0.48	237	--	--	--	--	<0.25
SDW 469-M01-10P	3/21/1996	<0.48	250	--	--	--	--	<0.25
SDW 469-M01-11GN	3/21/1996	<0.48	244	--	--	--	--	<0.25
SDW 469-M01-12R	3/21/1996	<0.48	181	--	--	--	--	<0.25
SDW 469-M01-12R-D	3/21/1996	<0.48	192	--	--	--	--	<0.25
SDW 469-M01-12R-X	3/21/1996	<0.48	198	--	--	--	--	<0.25
SDW 469-M01-13BU	3/21/1996	<0.48	173	--	--	--	--	<0.25
SDW 469-M01-14BK	3/21/1996	<0.48	175	--	--	--	--	<0.25
SDW 469-M01-15W	3/21/1996	<0.48	172	--	--	--	--	0.27
SDW 469-M01-01PT	5/15/1996	<0.48	157	--	--	--	--	0.82
SDW 469-M01-02GNT	5/15/1996	<0.48	219	--	--	--	--	0.59
SDW 469-M01-03RT	5/15/1996	<0.48	247	--	--	--	--	0.65
SDW 469-M01-03RT-X	5/15/1996	<0.48	252	--	--	--	--	0.38
SDW 469-M01-04BUT	5/15/1996	<0.48	245	--	--	--	--	1.03
SDW 469-M01-05BKT	5/15/1996	<0.48	234	--	--	--	--	1.59
SDW 469-M01-05BKT-D	5/15/1996	<0.48	230	--	--	--	--	1.61
SDW 469-M01-06WT	5/15/1996	<0.48	239	--	--	--	--	1.74
SDW 469-M01-06WT-X	5/15/1996	<0.48	228	--	--	--	--	0.38
SDW 469-M01-07O	5/15/1996	<0.48	253	--	--	--	--	0.79
SDW 469-M01-08GY	5/15/1996	<0.48	267	--	--	--	--	0.82
SDW 469-M01-09Y	5/15/1996	<0.48	257	--	--	--	--	0.29
SDW 469-M01-10P	5/15/1996	<0.48	235	--	--	--	--	<0.25
SDW 469-M01-11GN	5/15/1996	<0.48	252	--	--	--	--	<0.25

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
SDW 469-M01-12R	5/15/1996	<0.48	215	--	--	--	--	0.36
SDW 469-M01-12R-X	5/15/1996	<0.48	210	--	--	--	--	0.30
SDW 469-M01-13BU	5/15/1996	<0.48	190	--	--	--	--	0.47
SDW 469-M01-14BK	5/15/1996	<0.48	216	--	--	--	--	0.34
SDW 469-M01-14BK-D	5/15/1996	<0.48	200	--	--	--	--	<0.25
SDW 469-M01-15W	5/15/1996	<0.48	186	--	--	--	--	0.35
SDW 469-M01-01PT	7/25/1996	<0.48	201	--	--	--	--	0.94
SDW 469-M01-02GNT	7/25/1996	<0.48	207	--	--	--	--	0.35
SDW 469-M01-03RT	7/25/1996	<0.48	184	--	--	--	--	0.46
SDW 469-M01-03RT-X	7/25/1996	<0.48	177	--	--	--	--	<0.25
SDW 469-M01-04BUT	7/25/1996	<0.48	189	--	--	--	--	0.62
SDW 469-M01-05BKT	7/25/1996	<0.48	213	--	--	--	--	1.02
SDW 469-M01-05BKT-D	7/25/1996	<0.48	186	--	--	--	--	0.70
SDW 469-M01-06WT	7/25/1996	<0.48	195	--	--	--	--	1.14
SDW 469-M01-06WT-X	7/25/1996	<0.48	202	--	--	--	--	<0.25
SDW 469-M01-07O	7/25/1996	<0.48	208	--	--	--	--	0.54
SDW 469-M01-08GY	7/25/1996	<0.48	218	--	--	--	--	0.63
SDW 469-M01-09Y	7/25/1996	<0.48	244	--	--	--	--	0.45
SDW 469-M01-10P	7/25/1996	<0.48	190	--	--	--	--	0.33
SDW 469-M01-11GN	7/25/1996	<0.48	187	--	--	--	--	<0.25
SDW 469-M01-12R	7/25/1996	<0.48	177	--	--	--	--	0.40
SDW 469-M01-12R-X	7/25/1996	<0.48	192	--	--	--	--	<0.25
SDW 469-M01-13BU	7/25/1996	<0.48	166	--	--	--	--	<0.25
SDW 469-M01-14BK	7/25/1996	<0.48	181	--	--	--	--	0.51
SDW 469-M01-14BK-D	7/25/1996	<0.48	194	--	--	--	--	<0.25

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
SDW 469-M01-15W	7/25/1996	<0.48	179	--	--	--	--	0.33
SDW 469-M01-01PT	11/6/1996	<0.48	185	0.28	--	--	--	0.30
SDW 469-M01-01PT-D	11/6/1996	<0.48	170	0.25	--	--	--	0.33
SDW 469-M01-02GNT	11/6/1996	<0.48	230	0.95	--	--	--	0.50
SDW 469-M01-03RT	11/6/1996	<0.48	185	0.28	--	--	--	0.28
SDW 469-M01-03RT-X	11/6/1996	<0.48	182	0.06	--	--	--	0.71
SDW 469-M01-04BUT	11/6/1996	<0.48	188	0.52	--	--	--	0.42
SDW 469-M01-05BKT	11/6/1996	<0.48	197	0.80	--	--	--	0.57
SDW 469-M01-06WT	11/6/1996	<0.48	190	1.05	--	--	--	1.32
SDW 469-M01-06WT-X	11/6/1996	<0.48	189	0.62	--	--	--	1.00
SDW 469-M01-07O	11/6/1996	<0.48	198	0.35	--	--	--	0.46
SDW 469-M01-08GY	11/6/1996	<0.48	218	0.71	--	--	--	0.41
SDW 469-M01-09Y	11/6/1996	<0.48	206	0.74	--	--	--	<0.25
SDW 469-M01-10P	11/6/1996	<0.48	189	0.62	--	--	--	<0.25
SDW 469-M01-10P-D	11/6/1996	<0.48	182	0.58	--	--	--	<0.25
SDW 469-M01-11GN	11/6/1996	<0.48	176	0.42	--	--	--	<0.25
SDW 469-M01-12R	11/6/1996	<0.48	173	0.23	--	--	--	<0.25
SDW 469-M01-12R-X	11/6/1996	<0.48	173	0.14	--	--	--	0.34
SDW 469-M01-13BU	11/6/1996	<0.48	162	0.23	--	--	--	<0.25
SDW 469-M01-14BK	11/6/1996	<0.48	176	0.20	--	--	--	<0.25
SDW 469-M01-15W	11/6/1996	<0.48	184	0.29	--	--	--	<0.25
SDW 469-M01-01PT	2/3/1997	<0.48	216	0.33	--	--	--	0.27
SDW 469-M01-02GNT	2/3/1997	<0.48	212	0.32	--	--	--	<0.25
SDW 469-M01-03RT	2/3/1997	<0.48	202	0.49	--	--	--	0.46

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
SDW 469-M01-03RT-X	2/3/1997	<0.48	195	0.01	--	--	--	<0.25
SDW 469-M01-04BUT	2/3/1997	<0.48	192	0.31	--	--	--	0.26
SDW 469-M01-05BKT	2/3/1997	<0.48	203	0.61	--	--	--	0.55
SDW 469-M01-05BKT-D	2/3/1997	<0.48	207	0.62	--	--	--	0.62
SDW 469-M01-06WT	2/3/1997	<0.48	209	0.62	--	--	--	0.93
SDW 469-M01-06WT-X	2/3/1997	<0.48	206	0.01	--	--	--	<0.25
SDW 469-M01-07O	2/3/1997	<0.48	214	0.70	--	--	--	0.85
SDW 469-M01-08GY	2/3/1997	<0.48	210	0.65	--	--	--	0.52
SDW 469-M01-09Y	2/3/1997	<0.48	196	0.76	--	--	--	<0.25
SDW 469-M01-10P	2/3/1997	<0.48	186	0.63	--	--	--	<0.25
SDW 469-M01-11GN	2/3/1997	<0.48	179	0.44	--	--	--	<0.25
SDW 469-M01-12R	2/3/1997	<0.48	167	0.27	--	--	--	<0.25
SDW 469-M01-12R-X	2/3/1997	<0.48	164	0.01	--	--	--	<0.25
SDW 469-M01-13BU	2/3/1997	<0.48	172	0.20	--	--	--	<0.25
SDW 469-M01-14BK	2/3/1997	<0.48	184	0.21	--	--	--	<0.25
SDW 469-M01-14BK-D	2/3/1997	<0.48	188	0.21	--	--	--	<0.25
SDW 469-M01-15W	2/3/1997	<0.48	183	0.27	--	--	--	<0.25
SDW 469-M01-01PT	5/12/1997	<0.48	168	--	--	--	--	0.35
SDW 469-M01-02GNT	5/12/1997	<0.48	189	--	--	--	--	0.45
SDW 469-M01-03RT	5/12/1997	<0.48	183	--	--	--	--	0.56
SDW 469-M01-04BUT	5/12/1997	<0.48	180	--	--	--	--	0.45
SDW 469-M01-05BKT	5/12/1997	<0.48	192	--	--	--	--	0.67
SDW 469-M01-06WT	5/12/1997	<0.48	198	--	--	--	--	0.94
SDW 469-M01-06WT-X	5/12/1997	<0.48	198	--	--	--	--	0.65
SDW 469-M01-07O	5/12/1997	<0.48	210	--	--	--	--	0.81

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
SDW 469-M01-08GY	5/12/1997	<0.48	215	--	--	--	--	0.71
SDW 469-M01-09Y	5/12/1997	<0.48	191	--	--	--	--	0.25
SDW 469-M01-09Y-D	5/12/1997	<0.48	182	--	--	--	--	<0.25
SDW 469-M01-10P	5/12/1997	<0.48	175	--	--	--	--	<0.25
SDW 469-M01-11GN	5/12/1997	<0.48	163	--	--	--	--	<0.25
SDW 469-M01-12R	5/12/1997	<0.48	160	--	--	--	--	0.29
SDW 469-M01-12R-X	5/12/1997	<0.48	163	--	--	--	--	0.56
SDW 469-M01-13BU	5/12/1997	<0.48	182	--	--	--	--	0.27
SDW 469-M01-14BK	5/12/1997	<0.48	190	--	--	--	--	<0.25
SDW 469-M01-15W	5/12/1997	<0.48	187	--	--	--	--	0.29
SDW 469-M01-01PT	8/5/1997	<0.48	169	0.24	--	--	--	0.49
SDW 469-M01-01PT-D	8/5/1997	<0.48	170	0.23	--	--	--	0.44
SDW 469-M01-02GNT	8/5/1997	<0.48	175	1.46	--	--	--	1.37
SDW 469-M01-03RT	8/5/1997	<0.48	188	0.68	--	--	--	1.00
SDW 469-M01-03RT-X	8/5/1997	<0.48	195	0.01	--	--	--	<0.25
SDW 469-M01-04BUT	8/5/1997	<0.48	207	0.29	--	--	--	0.50
SDW 469-M01-05BKT	8/5/1997	<0.48	204	0.34	--	--	--	0.78
SDW 469-M01-06WT	8/5/1997	<0.48	200	0.33	--	--	--	1.02
SDW 469-M01-06WT-X	8/5/1997	<0.48	202	<0.01	--	--	--	<0.25
SDW 469-M01-07O	8/5/1997	<0.48	213	0.40	--	--	--	0.84
SDW 469-M01-08GY	8/5/1997	<0.48	213	0.47	--	--	--	0.69
SDW 469-M01-09Y	8/5/1997	<0.48	208	0.46	--	--	--	0.79
SDW 469-M01-10P	8/5/1997	<0.48	196	0.84	--	--	--	0.44
SDW 469-M01-10P-D	8/5/1997	<0.48	194	0.82	--	--	--	0.25
SDW 469-M01-11GN	8/5/1997	<0.48	169	0.65	--	--	--	0.27

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
SDW 469-M01-12R	8/5/1997	<0.48	176	0.48	--	--	--	0.35
SDW 469-M01-12R-X	8/5/1997	<0.48	175	<0.01	--	--	--	0.27
SDW 469-M01-13BU	8/5/1997	<0.48	174	0.41	--	--	--	0.33
SDW 469-M01-14BK	8/5/1997	<0.48	194	0.19	--	--	--	0.44
SDW 469-M01-15W	8/5/1997	<0.48	198	0.31	--	--	--	0.34
SDW 469-M01-01PT	10/27/1997	<0.48	175	0.31	--	--	--	0.27
SDW 469-M01-01PT-D	10/27/1997	<0.48	177	0.30	--	--	--	<0.25
SDW 469-M01-02GNT	10/27/1997	<0.48	175	0.32	--	--	--	0.29
SDW 469-M01-03RT	10/27/1997	<0.48	177	0.29	--	--	--	0.37
SDW 469-M01-03RT-X	10/27/1997	<0.48	175	0.01	--	--	--	<0.25
SDW 469-M01-04BUT	10/27/1997	<0.48	206	0.35	--	--	--	0.55
SDW 469-M01-05BKT	10/27/1997	<0.48	188	0.35	--	--	--	0.69
SDW 469-M01-06WT	10/27/1997	<0.48	186	0.34	--	--	--	1.04
SDW 469-M01-06WT-X	10/27/1997	<0.48	186	0.01	--	--	--	<0.25
SDW 469-M01-07O	10/27/1997	<0.48	209	0.38	--	--	--	0.72
SDW 469-M01-08GY	10/27/1997	<0.48	204	0.54	--	--	--	0.76
SDW 469-M01-09Y	10/27/1997	<0.48	177	0.69	--	--	--	<0.25
SDW 469-M01-10P	10/27/1997	<0.48	157	0.51	--	--	--	<0.25
SDW 469-M01-10P-D	10/27/1997	<0.48	158	0.50	--	--	--	<0.25
SDW 469-M01-11GN	10/27/1997	<0.48	157	0.32	--	--	--	<0.25
SDW 469-M01-12R	10/27/1997	<0.48	152	0.25	--	--	--	<0.25
SDW 469-M01-12R-X	10/27/1997	<0.48	158	0.01	--	--	--	<0.25
SDW 469-M01-13BU	10/27/1997	<0.48	174	0.34	--	--	--	<0.25
SDW 469-M01-14BK	10/27/1997	<0.48	179	0.18	--	--	--	<0.25
SDW 469-M01-15W	10/27/1997	<0.48	190	0.29	--	--	--	<0.25

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
SDW 469-M01-01PT	5/7/1998	<0.48	157	0.27	--	--	--	0.41
SDW 469-M01-02GNT	5/7/1998	<0.48	185	0.39	--	--	--	0.55
SDW 469-M01-03RT	5/7/1998	<0.48	183	0.60	--	--	--	0.79
SDW 469-M01-03RT-X	5/7/1998	<0.48	186	0.04	--	--	--	<0.25
SDW 469-M01-04BUT	5/7/1998	<0.48	186	0.42	--	--	--	0.54
SDW 469-M01-05BKT	5/7/1998	<0.48	179	0.36	--	--	--	1.03
SDW 469-M01-06WT	5/7/1998	<0.48	182	0.35	--	--	--	1.36
SDW 469-M01-06WT-X	5/7/1998	<0.48	180	0.02	--	--	--	<0.25
SDW 469-M01-07O	5/7/1998	<0.48	198	0.44	--	--	--	1.15
SDW 469-M01-08GY	5/7/1998	<0.48	199	0.56	--	--	--	1.11
SDW 469-M01-08GY-D	5/7/1998	<0.48	201	0.55	--	--	--	1.09
SDW 469-M01-09Y	5/7/1998	<0.48	166	0.63	--	--	--	<0.25
SDW 469-M01-10P	5/7/1998	<0.48	155	0.46	--	--	--	0.26
SDW 469-M01-11GN	5/7/1998	<0.48	156	0.34	--	--	--	0.26
SDW 469-M01-12R	5/7/1998	<0.48	152	0.17	--	--	--	<0.25
SDW 469-M01-12R-X	5/7/1998	<0.48	156	0.03	--	--	--	<0.25
SDW 469-M01-13BU	5/7/1998	<0.48	200	0.21	--	--	--	0.28
SDW 469-M01-14BK	5/7/1998	<0.48	184	0.18	--	--	--	0.31
SDW 469-M01-15W	5/7/1998	<0.48	189	0.28	--	--	--	0.36
SDW 469-M01-01PT	10/29/1998	<0.48	171	0.34	--	--	--	0.50
SDW 469-M01-02GNT	10/29/1998	<0.48	189	0.45	--	--	--	0.84
SDW 469-M01-03RT	10/29/1998	<0.48	185	0.34	--	--	--	0.52
SDW 469-M01-03RT-X	10/29/1998	<0.48	185	<0.01	--	--	--	<0.25
SDW 469-M01-04BUT	10/29/1998	<0.48	210	0.42	--	--	--	0.71

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
SDW 469-M01-05BKT	10/29/1998	<0.48	182	0.49	--	--	--	1.75
SDW 469-M01-06WT	10/29/1998	<0.48	184	0.40	--	--	--	1.86
SDW 469-M01-06WT-X	10/29/1998	<0.48	183	0.23	--	--	--	1.22
SDW 469-M01-07O	10/29/1998	<0.48	203	0.48	--	--	--	1.44
SDW 469-M01-08GY	10/29/1998	<0.48	198	0.61	--	--	--	1.20
SDW 469-M01-08GY-D	10/29/1998	<0.48	208	0.65	--	--	--	1.26
SDW 469-M01-09Y	10/29/1998	<0.48	177	0.66	--	--	--	0.27
SDW 469-M01-10P	10/29/1998	<0.48	156	0.43	--	--	--	<0.25
SDW 469-M01-11GN	10/29/1998	<0.48	153	0.32	--	--	--	0.29
SDW 469-M01-12R	10/29/1998	<0.48	161	0.33	--	--	--	<0.25
SDW 469-M01-12R-X	10/29/1998	<0.48	173	0.01	--	--	--	<0.25
SDW 469-M01-13BU	10/29/1998	<0.48	206	0.20	--	--	--	0.26
SDW 469-M01-14BK	10/29/1998	<0.48	187	0.21	--	--	--	<0.25
SDW 469-M01-15W	10/29/1998	<0.48	196	0.27	--	--	--	<0.25
SDW 469-M01-01PT	7/1/1999	<0.48	172	0.33	--	--	--	0.83
SDW 469-M01-02GNT	7/1/1999	<0.48	195	0.40	--	--	--	1.02
SDW 469-M01-03RT	7/1/1999	<0.48	183	0.35	--	--	--	0.80
SDW 469-M01-03RT-X	7/1/1999	<0.48	183	<0.01	--	--	--	<0.25
SDW 469-M01-04BUT	7/1/1999	<0.48	182	0.43	--	--	--	0.86
SDW 469-M01-05BKT	7/1/1999	<0.48	168	0.30	--	--	--	1.33
SDW 469-M01-05BKT-D	7/1/1999	<0.48	166	0.30	--	--	--	1.30
SDW 469-M01-06WT	7/1/1999	<0.48	168	0.25	--	--	--	1.39
SDW 469-M01-06WT-X	7/1/1999	<0.48	178	<0.01	--	--	--	<0.25
SDW 469-M01-07O	7/1/1999	<0.48	195	0.33	--	--	--	1.27
SDW 469-M01-08GY	7/1/1999	<0.48	187	0.50	--	--	--	0.96

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
SDW 469-M01-09Y	7/1/1999	<0.48	166	0.49	--	--	--	0.26
SDW 469-M01-10P	7/1/1999	<0.48	153	0.31	--	--	--	0.25
SDW 469-M01-11GN	7/1/1999	<0.48	150	0.25	--	--	--	<0.25
SDW 469-M01-12R	7/1/1999	<0.48	151	0.25	--	--	--	0.26
SDW 469-M01-13BU	7/1/1999	<0.48	203	0.30	--	--	--	<0.25
SDW 469-M01-14BK	7/1/1999	<0.48	179	0.28	--	--	--	0.29
SDW 469-M01-15W	7/1/1999	<0.48	195	0.28	--	--	--	0.28
SDW 469-M01-01PT	5/24/2000	<0.04	123	0.31	<0.24	--	<0.3	0.41
SDW 469-M01-01PT-D	5/24/2000	<0.04	118	0.29	<0.24	--	<0.3	0.36
SDW 469-M01-02GNT	5/24/2000	<0.04	133	0.56	<0.24	--	<0.3	2.01
SDW 469-M01-03RT	5/24/2000	<0.04	132	0.42	<0.24	--	<0.3	0.57
SDW 469-M01-03RT-X	5/24/2000	<0.04	137	0.09	<0.24	--	<0.3	0.14
SDW 469-M01-04BUT	5/24/2000	<0.04	126	0.40	<0.24	--	<0.3	0.69
SDW 469-M01-05BKT	5/24/2000	<0.04	137	0.45	<0.24	--	0.16	1.50
SDW 469-M01-06WT	5/24/2000	<0.04	129	0.34	<0.24	--	0.13	1.70
SDW 469-M01-06WT-X	5/24/2000	<0.04	138	0.01	<0.24	--	<0.3	0.15
SDW 469-M01-07O	5/24/2000	<0.04	133	0.38	<0.24	--	0.13	1.29
SDW 469-M01-08GY	5/24/2000	<0.04	174	0.79	<0.24	--	<0.3	0.91
SDW 469-M01-08GY-D	5/24/2000	<0.04	179	0.82	<0.24	--	<0.3	0.89
SDW 469-M01-09Y	5/24/2000	<0.04	145	0.65	<0.24	--	<0.3	0.07
SDW 469-M01-10P	5/24/2000	<0.04	169	0.36	<0.24	--	<0.3	0.09
SDW 469-M01-11GN	5/24/2000	<0.04	115	0.25	<0.24	--	<0.3	0.06
SDW 469-M01-12R	5/24/2000	<0.04	118	0.24	<0.24	--	<0.3	0.07
SDW 469-M01-13BU	5/24/2000	<0.04	133	0.44	<0.24	--	<0.3	0.05
SDW 469-M01-14BK	5/24/2000	<0.04	125	0.22	<0.24	--	<0.3	0.06

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
SDW 469-M01-15W	5/24/2000	<0.04	130	0.31	<0.24	--	<0.3	0.06
SDW 469-M01-01PT	8/29/2001	<0.04	115	0.31	<0.24	--	<0.3	0.68
SDW 469-M01-02GNT	8/29/2001	<0.04	114	0.53	<0.24	--	<0.3	2.72
SDW 469-M01-03RT	8/29/2001	<0.04	190	0.49	<0.24	--	<0.3	1.12
SDW 469-M01-04BUT	8/29/2001	<0.04	115	0.30	<0.24	--	<0.3	0.34
SDW 469-M01-05BKT	8/29/2001	<0.04	112	0.31	<0.24	--	0.13	1.59
SDW 469-M01-06WT	8/29/2001	<0.04	117	0.29	<0.24	--	0.13	2.18
SDW 469-M01-07O	8/29/2001	<0.04	124	0.43	<0.24	--	<0.3	2.59
SDW 469-M01-07O-D	8/29/2001	<0.04	124	0.44	<0.24	--	<0.3	2.60
SDW 469-M01-08GY	8/29/2001	<0.04	127	0.38	<0.24	--	0.12	0.54
SDW 469-M01-09Y	8/29/2001	<0.04	115	0.23	<0.24	--	<0.3	0.18
SDW 469-M01-10P	8/29/2001	<0.04	153	0.36	<0.24	--	<0.3	0.16
SDW 469-M01-11GN	8/29/2001	<0.04	161	0.36	<0.24	--	<0.3	0.21
SDW 469-M01-12R	8/29/2001	<0.04	197	0.40	<0.24	--	<0.3	0.20
SDW 469-M01-13BU	8/29/2001	<0.04	130	0.35	<0.24	--	<0.3	0.21
SDW 469-M01-14BK	8/29/2001	<0.04	122	0.72	<0.24	--	<0.3	0.16
SDW 469-M01-15W	8/29/2001	<0.04	122	0.32	<0.24	--	<0.3	0.24
SDW 469-M01-02GNT	6/20/2002	<0.04	156	0.52	<0.24	--	<0.3	3.24
SDW 469-M01-03RT	6/20/2002	<0.04	166	0.35	<0.24	--	<0.3	1.14
SDW 469-M01-03RT-X	6/20/2002	<0.04	165	0.01	<0.24	--	<0.3	9.05
SDW 469-M01-04BUT	6/20/2002	<0.04	161	0.40	<0.24	--	<0.3	2.03
SDW 469-M01-05BKT	6/20/2002	<0.04	155	0.43	<0.24	--	<0.3	2.58
SDW 469-M01-06WT	6/20/2002	<0.04	165	0.48	<0.24	--	<0.3	4.30
SDW 469-M01-06WT-X	6/20/2002	<0.04	161	0.01	<0.24	--	<0.3	10.63

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
SDW 469-M01-07O	6/20/2002	<0.04	174	0.47	<0.24	--	<0.3	3.62
SDW 469-M01-08GY	6/20/2002	<0.04	177	0.42	<0.24	--	<0.3	0.57
SDW 469-M01-09Y	6/20/2002	<0.04	173	0.34	<0.24	--	<0.3	<0.04
SDW 469-M01-10P	6/20/2002	<0.04	167	0.18	<0.24	--	<0.3	<0.04
SDW 469-M01-11GN	6/20/2002	<0.04	170	0.17	<0.24	--	<0.3	<0.04
SDW 469-M01-11GN-D	6/20/2002	<0.04	168	0.14	<0.24	--	<0.3	<0.04
SDW 469-M01-12R	6/20/2002	<0.04	173	0.10	<0.24	--	<0.3	<0.04
SDW 469-M01-13BU	6/20/2002	<0.04	171	0.23	<0.24	--	<0.3	<0.04
SDW 469-M01-14BK	6/20/2002	<0.04	164	0.22	<0.24	--	<0.3	<0.04
SDW 469-M01-15W	6/20/2002	<0.04	169	0.31	<0.24	--	<0.3	<0.04
SDW 469-M01-01PT	6/3/2003	<0.04	156	0.24	<0.24	<0.25	<0.3	0.35
SDW 469-M01-02GNT	6/3/2003	<0.04	172	0.38	<0.24	<0.25	<0.3	2.28
SDW 469-M01-03RT	6/3/2003	<0.04	166	0.28	<0.24	<0.25	<0.3	1.48
SDW 469-M01-03RT-X	6/3/2003	<0.04	172	0.08	<0.24	<0.25	<0.3	0.67
SDW 469-M01-04BUT	6/3/2003	<0.04	196	0.35	<0.24	<0.25	<0.3	2.36
SDW 469-M01-05BKT	6/3/2003	<0.04	163	0.30	<0.24	<0.25	<0.3	2.37
SDW 469-M01-05BKT-D	6/3/2003	<0.04	162	0.35	<0.24	<0.25	<0.3	2.36
SDW 469-M01-06WT	6/3/2003	<0.04	176	0.32	<0.24	<0.25	<0.3	3.48
SDW 469-M01-06WT-X	6/3/2003	<0.04	179	0.07	<0.24	<0.25	<0.3	1.27
SDW 469-M01-07O	6/3/2003	<0.04	196	0.37	<0.24	<0.25	<0.3	3.35
SDW 469-M01-07O-D	6/3/2003	<0.04	200	0.42	<0.24	<0.25	<0.3	3.47
SDW 469-M01-08GY	6/3/2003	<0.04	210	0.47	<0.24	<0.25	<0.3	0.67
SDW 469-M01-09Y	6/3/2003	<0.04	218	0.32	<0.24	<0.25	<0.3	0.07
SDW 469-M01-10P	6/3/2003	<0.04	226	0.23	<0.24	<0.25	<0.3	0.08
SDW 469-M01-10P-X	6/3/2003	<0.04	216	0.03	<0.24	<0.25	<0.3	<0.04

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
SDW 469-M01-11GN	6/3/2003	<0.04	197	0.21	<0.24	<0.25	<0.3	0.10
SDW 469-M01-12R	6/3/2003	<0.04	215	0.24	<0.24	<0.25	<0.3	0.06
SDW 469-M01-13BU	6/3/2003	<0.04	203	0.38	<0.24	<0.25	<0.3	0.05
SDW 469-M01-14BK	6/3/2003	<0.04	188	0.27	<0.24	<0.25	<0.3	0.07
SDW 469-M01-15W	6/3/2003	<0.04	191	0.30	<0.24	<0.25	<0.3	0.05
SDW 469-M01-01PT	7/30/2004	<0.04	156	0.29	<0.24	<0.25	<0.3	0.26
SDW 469-M01-02GNT	7/30/2004	<0.04	172	0.40	<0.24	<0.25	<0.3	1.60
SDW 469-M01-03RT	7/30/2004	<0.04	181	0.36	<0.24	<0.25	<0.3	1.95
SDW 469-M01-03RT-X	7/30/2004	<0.04	188	0.01	<0.24	<0.25	<0.3	0.51
SDW 469-M01-04BUT	7/30/2004	<0.04	208	0.40	<0.24	<0.25	<0.3	3.03
SDW 469-M01-05BKT	7/30/2004	<0.04	170	0.20	<0.24	<0.25	<0.3	1.88
SDW 469-M01-06WT	7/30/2004	<0.04	174	0.19	<0.24	<0.25	<0.3	2.52
SDW 469-M01-06WT-X	7/30/2004	<0.04	175	0.03	<0.24	<0.25	<0.3	0.61
SDW 469-M01-07O	7/30/2004	<0.04	187	0.38	<0.24	<0.25	<0.3	3.41
SDW 469-M01-07O-D	7/30/2004	<0.04	184	0.38	<0.24	<0.25	<0.3	3.32
SDW 469-M01-08GY	7/30/2004	<0.04	200	0.44	<0.24	<0.25	<0.3	0.75
SDW 469-M01-09Y	7/30/2004	<0.04	207	0.30	<0.24	<0.25	<0.3	0.07
SDW 469-M01-10P	7/30/2004	<0.04	205	0.35	<0.24	<0.25	<0.3	0.15
SDW 469-M01-10P-X	7/30/2004	<0.04	220	0.02	<0.24	<0.25	<0.3	<0.04
SDW 469-M01-11GN	7/30/2004	<0.04	197	0.46	<0.24	<0.25	<0.3	0.06
SDW 469-M01-12R	7/30/2004	<0.04	205	0.51	<0.24	<0.25	<0.3	0.29
SDW 469-M01-13BU	7/30/2004	<0.04	203	1.01	<0.24	<0.25	<0.3	0.11
SDW 469-M01-14BK	7/30/2004	<0.04	186	0.93	<0.24	<0.25	<0.3	0.16
SDW 469-M01-15W	7/30/2004	<0.04	198	0.37	<0.24	<0.25	<0.3	0.09

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
SDW 473-M01-01PT	9/28/1995	--	--	--	--	--	--	--
SDW 473-M01-02GNT	9/28/1995	<0.48	199	--	--	--	--	2.95
SDW 473-M01-03RT	9/28/1995	<0.48	194	--	--	--	--	0.40
SDW 473-M01-04BUT	9/28/1995	<0.48	182	--	--	--	--	0.34
SDW 473-M01-05BKT	9/28/1995	<0.48	194	--	--	--	--	0.73
SDW 473-M01-06WT	9/28/1995	<0.48	192	--	--	--	--	1.05
SDW 473-M01-07O	9/28/1995	<0.48	176	--	--	--	--	0.35
SDW 473-M01-08GY	9/28/1995	<0.48	155	--	--	--	--	0.33
SDW 473-M01-09Y	9/28/1995	<0.48	152	--	--	--	--	0.27
SDW 473-M01-10P	9/28/1995	<0.48	143	--	--	--	--	<0.25
SDW 473-M01-11GN	9/28/1995	<0.48	142	--	--	--	--	<0.25
SDW 473-M01-12R	9/28/1995	<0.48	165	--	--	--	--	<0.25
SDW 473-M01-13BU	9/28/1995	<0.48	177	--	--	--	--	<0.25
SDW 473-M01-14BK	9/28/1995	<0.48	171	--	--	--	--	<0.25
SDW 473-M01-15W	9/28/1995	<0.48	187	--	--	--	--	<0.25
SDW 473-M01-01PT	11/30/1995	--	--	--	--	--	--	--
SDW 473-M01-02GNT	11/30/1995	<0.48	196	--	--	--	--	3.65
SDW 473-M01-03RT	11/30/1995	<0.48	187	--	--	--	--	0.64
SDW 473-M01-04BUT	11/30/1995	<0.48	162	--	--	--	--	0.61
SDW 473-M01-05BKT	11/30/1995	<0.48	159	--	--	--	--	0.75
SDW 473-M01-06WT	11/30/1995	<0.48	171	--	--	--	--	1.40
SDW 473-M01-07O	11/30/1995	<0.48	163	--	--	--	--	1.11
SDW 473-M01-08GY	11/30/1995	<0.48	138	--	--	--	--	0.47
SDW 473-M01-09Y	11/30/1995	<0.48	132	--	--	--	--	0.40
SDW 473-M01-10P	11/30/1995	<0.48	129	--	--	--	--	0.34

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
SDW 473-M01-10P-D	11/30/1995	<0.48	133	--	--	--	--	<0.25
SDW 473-M01-11GN	11/30/1995	<0.48	136	--	--	--	--	<0.25
SDW 473-M01-12R	11/30/1995	<0.48	153	--	--	--	--	<0.25
SDW 473-M01-12R-D	11/30/1995	<0.48	158	--	--	--	--	<0.25
SDW 473-M01-13BU	11/30/1995	<0.48	154	--	--	--	--	<0.25
SDW 473-M01-14BK	11/30/1995	<0.48	158	--	--	--	--	<0.25
SDW 473-M01-15W	11/30/1995	<0.48	171	--	--	--	--	<0.25
SDW 473-M01-01PT	1/24/1996	--	--	--	--	--	--	--
SDW 473-M01-02GNT	1/24/1996	<0.48	169	--	--	--	--	5.04
SDW 473-M01-03RT	1/24/1996	<0.48	178	--	--	--	--	0.81
SDW 473-M01-04BUT	1/24/1996	<0.48	168	--	--	--	--	0.52
SDW 473-M01-05BKT	1/24/1996	<0.48	155	--	--	--	--	0.72
SDW 473-M01-05BKT-D	1/24/1996	<0.48	141	--	--	--	--	0.64
SDW 473-M01-06WT	1/24/1996	<0.48	152	--	--	--	--	0.94
SDW 473-M01-07O	1/24/1996	<0.48	138	--	--	--	--	0.56
SDW 473-M01-08GY	1/24/1996	<0.48	128	--	--	--	--	0.57
SDW 473-M01-09Y	1/24/1996	<0.48	120	--	--	--	--	0.34
SDW 473-M01-10P	1/24/1996	<0.48	114	--	--	--	--	0.26
SDW 473-M01-11GN	1/24/1996	<0.48	126	--	--	--	--	<0.25
SDW 473-M01-12R	1/24/1996	<0.48	148	--	--	--	--	<0.25
SDW 473-M01-13BU	1/24/1996	<0.48	138	--	--	--	--	<0.25
SDW 473-M01-14BK	1/24/1996	<0.48	146	--	--	--	--	<0.25
SDW 473-M01-14BK-D	1/24/1996	<0.48	130	--	--	--	--	<0.25
SDW 473-M01-15W	1/24/1996	<0.48	156	--	--	--	--	0.37

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
SDW 473-M01-01PT	3/20/1996	--	--	--	--	--	--	--
SDW 473-M01-02GNT	3/20/1996	<0.48	186	--	--	--	--	3.39
SDW 473-M01-03RT	3/20/1996	<0.48	221	--	--	--	--	0.96
SDW 473-M01-04BUT	3/20/1996	<0.48	213	--	--	--	--	0.49
SDW 473-M01-05BKT	3/20/1996	<0.48	195	--	--	--	--	0.95
SDW 473-M01-06WT	3/20/1996	<0.48	185	--	--	--	--	0.83
SDW 473-M01-06WT-D	3/20/1996	<0.48	183	--	--	--	--	0.80
SDW 473-M01-07O	3/20/1996	<0.48	155	--	--	--	--	0.43
SDW 473-M01-08GY	3/20/1996	<0.48	151	--	--	--	--	0.51
SDW 473-M01-09Y	3/20/1996	<0.48	146	--	--	--	--	0.40
SDW 473-M01-10P	3/20/1996	<0.48	135	--	--	--	--	0.25
SDW 473-M01-11GN	3/20/1996	<0.48	146	--	--	--	--	<0.25
SDW 473-M01-12R	3/20/1996	<0.48	162	--	--	--	--	<0.25
SDW 473-M01-13BU	3/20/1996	<0.48	157	--	--	--	--	<0.25
SDW 473-M01-14BK	3/20/1996	<0.48	166	--	--	--	--	0.27
SDW 473-M01-15W	3/20/1996	<0.48	175	--	--	--	--	0.37
SDW 473-M01-15W-D	3/20/1996	<0.48	191	--	--	--	--	0.43
SDW 473-M01-01PT	5/16/1996	<0.48	176	--	--	--	--	1.97
SDW 473-M01-02GNT	5/16/1996	<0.48	218	--	--	--	--	2.68
SDW 473-M01-03RT	5/16/1996	<0.48	235	--	--	--	--	0.97
SDW 473-M01-04BUT	5/16/1996	<0.48	224	--	--	--	--	0.36
SDW 473-M01-05BKT	5/16/1996	<0.48	206	--	--	--	--	0.65
SDW 473-M01-06WT	5/16/1996	<0.48	200	--	--	--	--	0.87
SDW 473-M01-07O	5/16/1996	<0.48	184	--	--	--	--	0.64
SDW 473-M01-08GY	5/16/1996	<0.48	150	--	--	--	--	0.56

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
SDW 473-M01-08GY-D	5/16/1996	<0.48	156	--	--	--	--	0.68
SDW 473-M01-09Y	5/16/1996	<0.48	164	--	--	--	--	0.46
SDW 473-M01-10P	5/16/1996	<0.48	132	--	--	--	--	0.25
SDW 473-M01-11GN	5/16/1996	<0.48	166	--	--	--	--	0.31
SDW 473-M01-12R	5/16/1996	<0.48	191	--	--	--	--	<0.25
SDW 473-M01-13BU	5/16/1996	<0.48	174	--	--	--	--	<0.25
SDW 473-M01-14BK	5/16/1996	<0.48	186	--	--	--	--	<0.25
SDW 473-M01-15W	5/16/1996	<0.48	202	--	--	--	--	0.37
SDW 473-M01-01PT	7/26/1996	<0.48	150	--	--	--	--	3.30
SDW 473-M01-02GNT	7/26/1996	<0.48	227	--	--	--	--	1.57
SDW 473-M01-03RT	7/26/1996	<0.48	214	--	--	--	--	0.67
SDW 473-M01-04BUT	7/26/1996	<0.48	198	--	--	--	--	0.26
SDW 473-M01-05BKT	7/26/1996	<0.48	194	--	--	--	--	0.57
SDW 473-M01-06WT	7/26/1996	<0.48	205	--	--	--	--	0.98
SDW 473-M01-07O	7/26/1996	<0.48	196	--	--	--	--	0.55
SDW 473-M01-08GY	7/26/1996	<0.48	144	--	--	--	--	0.61
SDW 473-M01-08GY-D	7/26/1996	<0.48	154	--	--	--	--	0.69
SDW 473-M01-09Y	7/26/1996	<0.48	156	--	--	--	--	0.45
SDW 473-M01-10P	7/26/1996	<0.48	149	--	--	--	--	0.61
SDW 473-M01-11GN	7/26/1996	<0.48	157	--	--	--	--	<0.25
SDW 473-M01-12R	7/26/1996	<0.48	179	--	--	--	--	<0.25
SDW 473-M01-13BU	7/26/1996	<0.48	175	--	--	--	--	<0.25
SDW 473-M01-14BK	7/26/1996	<0.48	183	--	--	--	--	0.29
SDW 473-M01-15W	7/26/1996	<0.48	196	--	--	--	--	0.69

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
SDW 473-M01-01PT	11/5/1996	<0.48	155	0.18	--	--	--	1.20
SDW 473-M01-02GNT	11/5/1996	<0.48	187	0.30	--	--	--	2.11
SDW 473-M01-03RT	11/5/1996	<0.48	212	0.51	--	--	--	0.41
SDW 473-M01-04BUT	11/5/1996	<0.48	189	0.50	--	--	--	<0.25
SDW 473-M01-04BUT-D	11/5/1996	<0.48	186	0.48	--	--	--	<0.25
SDW 473-M01-05BKT	11/5/1996	<0.48	182	0.42	--	--	--	<0.25
SDW 473-M01-06WT	11/5/1996	<0.48	185	0.41	--	--	--	0.47
SDW 473-M01-07O	11/5/1996	<0.48	158	0.40	--	--	--	0.49
SDW 473-M01-08GY	11/5/1996	<0.48	149	0.28	--	--	--	0.35
SDW 473-M01-09Y	11/7/1996	<0.48	163	0.33	--	--	--	0.25
SDW 473-M01-10P	11/7/1996	<0.48	151	0.42	--	--	--	<0.25
SDW 473-M01-11GN	11/7/1996	<0.48	172	0.47	--	--	--	<0.25
SDW 473-M01-12R	11/7/1996	<0.48	172	0.23	--	--	--	<0.25
SDW 473-M01-13BU	11/7/1996	<0.48	165	0.19	--	--	--	<0.25
SDW 473-M01-13BU-D	11/7/1996	<0.48	160	0.18	--	--	--	<0.25
SDW 473-M01-14BK	11/7/1996	<0.48	179	0.27	--	--	--	<0.25
SDW 473-M01-15W	11/7/1996	<0.48	188	0.39	--	--	--	<0.25
SDW 473-M01-01PT	2/18/1997	<0.48	193	0.30	--	--	--	2.75
SDW 473-M01-02GNT	2/18/1997	<0.48	246	0.30	--	--	--	2.00
SDW 473-M01-03RT	2/18/1997	<0.48	191	0.48	--	--	--	0.48
SDW 473-M01-04BUT	2/18/1997	<0.48	178	0.54	--	--	--	0.29
SDW 473-M01-05BKT	2/18/1997	<0.48	187	0.53	--	--	--	0.44
SDW 473-M01-06WT	2/18/1997	<0.48	170	0.57	--	--	--	0.48
SDW 473-M01-07O	2/18/1997	<0.48	150	0.40	--	--	--	0.51
SDW 473-M01-08GY	2/18/1997	<0.48	142	0.29	--	--	--	0.45

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
SDW 473-M01-08GY-D	2/18/1997	<0.48	139	0.28	--	--	--	0.41
SDW 473-M01-09Y	2/18/1997	<0.48	138	0.22	--	--	--	0.29
SDW 473-M01-10P	2/18/1997	<0.48	152	0.25	--	--	--	<0.25
SDW 473-M01-11GN	2/18/1997	<0.48	167	0.30	--	--	--	<0.25
SDW 473-M01-12R	2/18/1997	<0.48	170	0.17	--	--	--	<0.25
SDW 473-M01-13BU	2/18/1997	<0.48	172	0.19	--	--	--	<0.25
SDW 473-M01-14BK	2/18/1997	<0.48	190	0.27	--	--	--	<0.25
SDW 473-M01-15W	2/18/1997	<0.48	198	0.38	--	--	--	<0.25
SDW 473-M01-01PT	5/14/1997	<0.48	199	--	--	--	--	2.68
SDW 473-M01-02GNT	5/14/1997	<0.48	222	--	--	--	--	3.32
SDW 473-M01-03RT	5/14/1997	<0.48	169	--	--	--	--	0.54
SDW 473-M01-03RT-D	5/14/1997	<0.48	168	--	--	--	--	0.51
SDW 473-M01-04BUT	5/14/1997	<0.48	163	--	--	--	--	0.38
SDW 473-M01-05BKT	5/14/1997	<0.48	163	--	--	--	--	0.60
SDW 473-M01-06WT	5/14/1997	<0.48	154	--	--	--	--	0.34
SDW 473-M01-07O	5/14/1997	<0.48	142	--	--	--	--	0.65
SDW 473-M01-08GY	5/14/1997	<0.48	135	--	--	--	--	0.57
SDW 473-M01-09Y	5/14/1997	<0.48	137	--	--	--	--	0.37
SDW 473-M01-10P	5/14/1997	<0.48	133	--	--	--	--	<0.25
SDW 473-M01-11GN	5/14/1997	<0.48	158	--	--	--	--	0.47
SDW 473-M01-12R	5/14/1997	<0.48	167	--	--	--	--	<0.25
SDW 473-M01-12R-D	5/14/1997	<0.48	165	--	--	--	--	<0.25
SDW 473-M01-13BU	5/14/1997	<0.48	170	--	--	--	--	<0.25
SDW 473-M01-14BK	5/14/1997	<0.48	176	--	--	--	--	<0.25
SDW 473-M01-15W	5/14/1997	<0.48	186	--	--	--	--	0.31

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
SDW 473-M01-01PT	8/14/1997	<0.48	204	0.25	--	--	--	3.35
SDW 473-M01-02GNT	8/14/1997	<0.48	204	0.34	--	--	--	1.91
SDW 473-M01-03RT	8/14/1997	<0.48	157	0.44	--	--	--	0.49
SDW 473-M01-04BUT	8/14/1997	<0.48	163	0.46	--	--	--	0.26
SDW 473-M01-04BUT-D	8/14/1997	<0.48	163	0.44	--	--	--	0.37
SDW 473-M01-05BKT	8/14/1997	<0.48	174	0.35	--	--	--	0.52
SDW 473-M01-06WT	8/14/1997	<0.48	165	0.39	--	--	--	0.40
SDW 473-M01-07O	8/14/1997	<0.48	150	0.40	--	--	--	0.54
SDW 473-M01-08GY	8/14/1997	<0.48	153	0.51	--	--	--	0.85
SDW 473-M01-09Y	8/14/1997	<0.48	148	0.59	--	--	--	0.65
SDW 473-M01-10P	8/14/1997	<0.48	141	0.25	--	--	--	0.38
SDW 473-M01-11GN	8/14/1997	<0.48	172	0.23	--	--	--	0.30
SDW 473-M01-12R	8/14/1997	<0.48	183	0.16	--	--	--	0.41
SDW 473-M01-13BU	8/14/1997	<0.48	173	0.19	--	--	--	<0.25
SDW 473-M01-13BU-D	8/14/1997	<0.48	174	0.18	--	--	--	0.26
SDW 473-M01-14BK	8/14/1997	<0.48	190	0.26	--	--	--	0.35
SDW 473-M01-15W	8/14/1997	<0.48	196	0.36	--	--	--	0.26
SDW 473-M01-01PT	11/3/1997	<0.48	169	0.24	--	--	--	2.62
SDW 473-M01-02GNT	11/3/1997	<0.48	204	0.35	--	--	--	3.23
SDW 473-M01-03RT	11/3/1997	<0.48	149	0.42	--	--	--	0.27
SDW 473-M01-04BUT	11/3/1997	<0.48	148	0.32	--	--	--	<0.25
SDW 473-M01-04BUT-D	11/3/1997	<0.48	152	0.32	--	--	--	<0.25
SDW 473-M01-05BKT	11/3/1997	<0.48	151	0.28	--	--	--	<0.25
SDW 473-M01-06WT	11/3/1997	<0.48	164	0.35	--	--	--	0.29

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
SDW 473-M01-07O	11/3/1997	<0.48	142	0.39	--	--	--	0.38
SDW 473-M01-08GY	11/3/1997	<0.48	136	0.34	--	--	--	0.39
SDW 473-M01-09Y	11/3/1997	<0.48	135	0.37	--	--	--	<0.25
SDW 473-M01-10P	11/3/1997	<0.48	135	0.38	--	--	--	<0.25
SDW 473-M01-11GN	11/3/1997	<0.48	155	0.20	--	--	--	<0.25
SDW 473-M01-12R	11/3/1997	<0.48	166	0.15	--	--	--	<0.25
SDW 473-M01-13BU	11/3/1997	<0.48	160	0.18	--	--	--	<0.25
SDW 473-M01-13BU-D	11/3/1997	<0.48	179	0.20	--	--	--	<0.25
SDW 473-M01-14BK	11/3/1997	<0.48	171	0.24	--	--	--	<0.25
SDW 473-M01-15W	11/3/1997	<0.48	176	0.35	--	--	--	<0.25
SDW 473-M01-01PT	5/12/1998	<0.48	191	0.37	--	--	--	4.55
SDW 473-M01-02GNT	5/12/1998	<0.48	187	0.40	--	--	--	4.78
SDW 473-M01-02GNT-D	5/12/1998	<0.48	186	0.39	--	--	--	4.84
SDW 473-M01-03RT	5/12/1998	<0.48	165	0.81	--	--	--	0.51
SDW 473-M01-04BUT	5/12/1998	<0.48	162	0.58	--	--	--	<0.25
SDW 473-M01-05BKT	5/12/1998	<0.48	157	0.30	--	--	--	0.29
SDW 473-M01-06WT	5/12/1998	<0.48	165	0.46	--	--	--	0.39
SDW 473-M01-07O	5/12/1998	<0.48	160	0.34	--	--	--	0.35
SDW 473-M01-08GY	5/12/1998	<0.48	147	0.26	--	--	--	0.33
SDW 473-M01-09Y	5/12/1998	<0.48	144	0.31	--	--	--	<0.25
SDW 473-M01-10P	5/12/1998	<0.48	145	0.36	--	--	--	<0.25
SDW 473-M01-11GN	5/12/1998	<0.48	156	0.27	--	--	--	<0.25
SDW 473-M01-11GN-D	5/12/1998	<0.48	159	0.28	--	--	--	<0.25
SDW 473-M01-12R	5/12/1998	<0.48	172	0.16	--	--	--	<0.25
SDW 473-M01-13BU	5/12/1998	<0.48	170	0.19	--	--	--	<0.25

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
SDW 473-M01-14BK	5/12/1998	<0.48	184	0.26	--	--	--	<0.25
SDW 473-M01-15W	5/12/1998	<0.48	186	0.36	--	--	--	<0.25
SDW 473-M01-01PT	10/30/1998	<0.48	198	0.29	--	--	--	5.10
SDW 473-M01-02GNT	10/30/1998	<0.48	228	0.64	--	--	--	7.48
SDW 473-M01-03RT	10/30/1998	<0.48	195	0.82	--	--	--	0.61
SDW 473-M01-04BUT	10/30/1998	<0.48	187	1.09	--	--	--	0.53
SDW 473-M01-05BKT	10/30/1998	<0.48	189	1.15	--	--	--	1.19
SDW 473-M01-05BKT-D	10/30/1998	<0.48	185	1.12	--	--	--	1.18
SDW 473-M01-06WT	10/30/1998	<0.48	198	0.52	--	--	--	0.59
SDW 473-M01-07O	10/30/1998	<0.48	197	0.41	--	--	--	4.74
SDW 473-M01-08GY	10/30/1998	<0.48	140	0.27	--	--	--	0.54
SDW 473-M01-09Y	10/30/1998	<0.48	130	0.19	--	--	--	0.34
SDW 473-M01-10P	10/30/1998	<0.48	285	0.44	--	--	--	7.51
SDW 473-M01-11GN	10/30/1998	<0.48	191	0.28	--	--	--	0.28
SDW 473-M01-12R	10/30/1998	<0.48	193	0.19	--	--	--	0.30
SDW 473-M01-13BU	10/30/1998	<0.48	179	0.20	--	--	--	0.30
SDW 473-M01-14BK	10/30/1998	<0.48	190	0.25	--	--	--	0.30
SDW 473-M01-14BK-D	10/30/1998	<0.48	194	0.25	--	--	--	0.27
SDW 473-M01-15W	10/30/1998	<0.48	202	0.39	--	--	--	0.37
SDW 473-M01-01PT	6/28/1999	<0.48	222	0.35	--	--	--	4.74
SDW 473-M01-01PT-X	6/28/1999	<0.48	221	<0.01	--	--	--	<0.25
SDW 473-M01-02GNT	6/28/1999	<0.48	164	0.31	--	--	--	1.82
SDW 473-M01-02GNT-D	6/28/1999	<0.48	171	0.33	--	--	--	1.91
SDW 473-M01-02GNT-X	6/28/1999	<0.48	176	<0.01	--	--	--	<0.25

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
SDW 473-M01-02GNT-X-D	6/28/1999	<0.48	166	<0.01	--	--	--	<0.25
SDW 473-M01-03RT	6/28/1999	<0.48	153	0.48	--	--	--	0.53
SDW 473-M01-04BUT	6/28/1999	<0.48	165	0.38	--	--	--	<0.25
SDW 473-M01-05BKT	6/28/1999	<0.48	167	0.35	--	--	--	0.34
SDW 473-M01-06WT	6/28/1999	<0.48	176	0.34	--	--	--	0.33
SDW 473-M01-07O	6/28/1999	<0.48	147	0.34	--	--	--	0.30
SDW 473-M01-08GY	6/28/1999	<0.48	146	0.18	--	--	--	<0.25
SDW 473-M01-08GY-D	6/28/1999	<0.48	138	0.17	--	--	--	<0.25
SDW 473-M01-09Y	6/28/1999	<0.48	136	0.16	--	--	--	<0.25
SDW 473-M01-10P	6/28/1999	<0.48	159	0.15	--	--	--	<0.25
SDW 473-M01-11GN	6/28/1999	<0.48	210	0.16	--	--	--	<0.25
SDW 473-M01-12R	6/28/1999	<0.48	185	0.20	--	--	--	<0.25
SDW 473-M01-13BU	6/28/1999	<0.48	179	0.20	--	--	--	<0.25
SDW 473-M01-14BK	6/28/1999	<0.48	190	0.28	--	--	--	<0.25
SDW 473-M01-15W	6/28/1999	<0.48	192	0.36	--	--	--	<0.25
SDW 473-M01-01PT	6/13/2000	<0.04	130	0.33	<0.24	--	<0.3	2.29
SDW 473-M01-01PT-X	6/13/2000	<0.04	140	<0.006	<0.24	--	<0.3	0.20
SDW 473-M01-02GNT-X	6/13/2000	<0.04	119	<0.006	<0.24	--	<0.3	0.04
SDW 473-M01-02GNT	6/13/2000	<0.04	119	0.44	<0.24	--	<0.3	1.48
SDW 473-M01-02GNT-D	6/13/2000	<0.04	119	0.44	<0.24	--	<0.3	1.46
SDW 473-M01-03RT	6/13/2000	<0.04	172	0.77	<0.24	--	<0.3	0.44
SDW 473-M01-04BUT	6/13/2000	<0.04	122	0.54	<0.24	--	<0.3	0.21
SDW 473-M01-05BKT	6/13/2000	<0.04	136	0.58	<0.24	--	<0.3	0.46
SDW 473-M01-06WT	6/13/2000	<0.04	183	0.63	<0.24	--	<0.3	0.43
SDW 473-M01-07O	6/13/2000	<0.04	145	0.40	<0.24	--	<0.3	0.19

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
SDW 473-M01-08GY	6/13/2000	<0.04	145	0.46	<0.24	--	<0.3	0.25
SDW 473-M01-09Y	6/13/2000	<0.04	176	0.29	<0.24	--	<0.3	0.63
SDW 473-M01-10P	6/13/2000	<0.04	184	0.08	<0.24	--	<0.3	0.06
SDW 473-M01-11GN	6/13/2000	<0.04	199	0.18	<0.24	--	<0.3	0.09
SDW 473-M01-11GN	6/13/2000	<0.04	207	0.19	<0.24	--	<0.3	0.08
SDW 473-M01-12R	6/13/2000	<0.04	139	0.24	<0.24	--	<0.3	0.07
SDW 473-M01-13BU	6/13/2000	<0.04	128	0.25	<0.24	--	<0.3	0.05
SDW 473-M01-14BK	6/13/2000	<0.04	129	0.31	<0.24	--	<0.3	0.04
SDW 473-M01-15W	6/13/2000	<0.04	134	0.39	<0.24	--	<0.3	0.10
SDW 473-M01-01PT	8/13/2001	<0.04	157	0.38	<0.24	--	<0.3	4.02
SDW 473-M01-02GNT	8/13/2001	<0.04	171	0.53	<0.24	--	<0.3	1.61
SDW 473-M01-03RT	8/13/2001	<0.04	109	0.52	<0.24	--	<0.3	0.38
SDW 473-M01-03RT-D	8/13/2001	<0.04	110	0.53	<0.24	--	<0.3	0.34
SDW 473-M01-04BUT	8/13/2001	<0.04	117	0.41	<0.24	--	<0.3	0.30
SDW 473-M01-05BKT	8/13/2001	<0.04	120	0.41	<0.24	--	<0.3	0.62
SDW 473-M01-06WT	8/13/2001	<0.04	176	0.36	<0.24	--	<0.3	0.45
SDW 473-M01-07O	8/13/2001	<0.04	202	0.24	<0.24	--	<0.3	0.32
SDW 473-M01-08GY	8/13/2001	<0.04	191	0.32	<0.24	--	<0.3	0.31
SDW 473-M01-09Y	8/13/2001	<0.04	120	0.30	<0.24	--	<0.3	0.37
SDW 473-M01-10P	8/13/2001	<0.04	158	0.17	<0.24	--	<0.3	0.27
SDW 473-M01-11GN	8/13/2001	<0.04	114	0.27	<0.24	--	<0.3	0.22
SDW 473-M01-12R	8/13/2001	<0.04	118	0.22	<0.24	--	<0.3	0.19
SDW 473-M01-13BU	8/13/2001	<0.04	118	0.19	<0.24	--	<0.3	0.24
SDW 473-M01-14BK	8/13/2001	<0.04	122	0.30	<0.24	--	<0.3	0.25
SDW 473-M01-15W	8/13/2001	<0.04	125	0.41	<0.24	--	<0.3	0.23

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
SDW 473-M01-01PT	6/6/2002	--	--	--	--	--	--	--
SDW 473-M01-02GNT	6/6/2002	<0.04	150	0.38	<0.24	--	<0.3	1.76
SDW 473-M01-02GNT-X	6/6/2002	<0.04	146	<0.006	<0.24	--	<0.3	0.38
SDW 473-M01-03RT	6/6/2002	<0.04	149	0.32	<0.24	--	<0.3	0.23
SDW 473-M01-04BUT	6/6/2002	<0.04	156	0.28	<0.24	--	<0.3	0.36
SDW 473-M01-05BKT	6/6/2002	<0.04	161	0.34	<0.24	--	<0.3	0.72
SDW 473-M01-05BKT-D	6/6/2002	<0.04	157	0.32	<0.24	--	<0.3	0.62
SDW 473-M01-06WT	6/6/2002	<0.04	169	0.30	<0.24	--	<0.3	0.26
SDW 473-M01-07O	6/6/2002	<0.04	234	0.23	<0.24	--	<0.3	0.40
SDW 473-M01-08GY	6/6/2002	<0.04	168	0.27	<0.24	--	<0.3	0.56
SDW 473-M01-09Y	6/6/2002	<0.04	163	0.39	<0.24	--	<0.3	0.41
SDW 473-M01-10P	6/6/2002	<0.04	160	0.46	<0.24	--	<0.3	0.34
SDW 473-M01-11GN	6/6/2002	<0.04	164	0.77	<0.24	--	<0.3	0.32
SDW 473-M01-12R	6/6/2002	<0.04	156	0.10	<0.24	--	<0.3	0.16
SDW 473-M01-13BU	6/6/2002	<0.04	161	0.18	<0.24	--	<0.3	0.32
SDW 473-M01-14BK	6/6/2002	<0.04	163	0.30	<0.24	--	<0.3	0.21
SDW 473-M01-15W	6/6/2002	<0.04	166	0.37	<0.24	--	<0.3	0.32
SDW 473-M01-01PT	5/16/2003	<0.04	184	0.33	<0.24	<0.25	<0.3	1.94
SDW 473-M01-01PT-X	5/16/2003	<0.04	181	0.15	<0.24	<0.25	<0.3	1.00
SDW 473-M01-02GNT	5/16/2003	<0.04	247	0.39	<0.24	<0.25	<0.3	1.25
SDW 473-M01-02GNT-X	5/16/2003	<0.04	246	0.16	<0.24	<0.25	<0.3	0.60
SDW 473-M01-03RT	5/16/2003	<0.04	228	0.67	<0.24	<0.25	<0.3	0.13
SDW 473-M01-03RT-D	5/16/2003	<0.04	225	0.67	<0.24	<0.25	<0.3	0.15
SDW 473-M01-04BUT	5/16/2003	<0.04	167	0.25	<0.24	<0.25	<0.3	0.11

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
SDW 473-M01-05BKT	5/16/2003	<0.04	173	0.23	<0.24	<0.25	<0.3	0.36
SDW 473-M01-06WT	5/16/2003	<0.04	194	0.33	<0.24	<0.25	<0.3	0.30
SDW 473-M01-07O	5/16/2003	<0.04	210	0.27	<0.24	<0.25	<0.3	0.41
SDW 473-M01-08GY	5/16/2003	<0.04	213	0.35	<0.24	<0.25	<0.3	0.50
SDW 473-M01-09Y	5/16/2003	<0.04	189	0.48	<0.24	<0.25	<0.3	0.46
SDW 473-M01-10P	5/16/2003	<0.04	196	0.66	<0.24	<0.25	<0.3	0.22
SDW 473-M01-11GN	5/16/2003	<0.04	199	0.96	<0.24	<0.25	<0.3	0.29
SDW 473-M01-12R	5/16/2003	<0.04	194	0.26	<0.24	<0.25	<0.3	0.04
SDW 473-M01-13BU	5/16/2003	<0.04	192	0.27	<0.24	<0.25	<0.3	<0.04
SDW 473-M01-14BK	5/16/2003	<0.04	194	0.29	<0.24	<0.25	<0.3	<0.04
SDW 473-M01-14BK-D	5/16/2003	<0.04	195	0.29	<0.24	<0.25	<0.3	<0.04
SDW 473-M01-15W	5/16/2003	<0.04	211	0.34	<0.24	<0.25	<0.3	0.04
SDW 473-M01-01PT	8/18/2004	<0.04	176	0.33	<0.24	<0.25	<0.3	8.12
SDW 473-M01-01PT-X	8/18/2004	<0.04	181	0.02	<0.24	<0.25	<0.3	0.53
SDW 473-M01-02GNT	8/18/2004	<0.04	212	0.38	<0.24	<0.25	<0.3	4.07
SDW 473-M01-02GNT-X	8/18/2004	<0.04	210	<0.006	<0.24	<0.25	<0.3	0.06
SDW 473-M01-03RT	8/18/2004	<0.04	156	0.38	<0.24	<0.25	<0.3	2.97
SDW 473-M01-04BUT	8/18/2004	<0.04	149	0.30	<0.24	<0.25	<0.3	3.07
SDW 473-M01-05BKT	8/18/2004	<0.04	160	0.23	<0.24	<0.25	<0.3	0.37
SDW 473-M01-06WT	8/18/2004	<0.04	157	0.23	<0.24	<0.25	<0.3	3.49
SDW 473-M01-07O	8/18/2004	<0.04	164	0.18	<0.24	<0.25	<0.3	0.21
SDW 473-M01-08GY	8/18/2004	<0.04	165	0.28	<0.24	<0.25	<0.3	3.28
SDW 473-M01-08GY-D	8/18/2004	<0.04	169	0.29	<0.24	<0.25	<0.3	3.13
SDW 473-M01-09Y	8/18/2004	<0.04	159	0.33	<0.24	<0.25	<0.3	3.27
SDW 473-M01-10P	8/18/2004	<0.04	167	0.79	<0.24	<0.25	<0.3	2.07

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
SDW 473-M01-11GN	8/18/2004	<0.04	179	1.19	<0.24	<0.25	<0.3	0.13
SDW 473-M01-12R	8/18/2004	<0.04	178	0.56	<0.24	<0.25	<0.3	2.93
SDW 473-M01-13BU	8/18/2004	<0.04	180	0.60	<0.24	<0.25	<0.3	2.75
SDW 473-M01-14BK	8/18/2004	<0.04	181	0.77	<0.24	<0.25	<0.3	2.54
SDW 473-M01-15W	8/18/2004	<0.04	188	0.43	<0.24	<0.25	<0.3	2.63
SDW 474-M01-01PT	9/22/1995	--	--	--	--	--	--	--
SDW 474-M01-02GNT	9/22/1995	<0.48	139	--	--	--	--	2.29
SDW 474-M01-03RT	9/22/1995	<0.48	168	--	--	--	--	2.85
SDW 474-M01-04BUT	9/22/1995	<0.48	180	--	--	--	--	3.53
SDW 474-M01-05BKT	9/22/1995	<0.48	175	--	--	--	--	5.27
SDW 474-M01-06WT	9/22/1995	<0.48	178	--	--	--	--	2.80
SDW 474-M01-07O	9/22/1995	<0.48	159	--	--	--	--	<0.25
SDW 474-M01-08GY	9/22/1995	<0.48	154	--	--	--	--	<0.25
SDW 474-M01-09Y	9/22/1995	<0.48	156	--	--	--	--	<0.25
SDW 474-M01-10P	9/22/1995	<0.48	159	--	--	--	--	<0.25
SDW 474-M01-11GN	9/22/1995	<0.48	160	--	--	--	--	<0.25
SDW 474-M01-12R	9/22/1995	<0.48	163	--	--	--	--	<0.25
SDW 474-M01-13BU	9/22/1995	<0.48	164	--	--	--	--	<0.25
SDW 474-M01-14BK	9/22/1995	<0.48	169	--	--	--	--	<0.25
SDW 474-M01-15W	9/22/1995	<0.48	167	--	--	--	--	<0.25
SDW 474-M01-01PT	11/30/1995	--	--	--	--	--	--	--
SDW 474-M01-02GNT	11/30/1995	<0.48	136	--	--	--	--	3.23
SDW 474-M01-03RT	11/30/1995	<0.48	152	--	--	--	--	3.07
SDW 474-M01-04BUT	11/30/1995	<0.48	165	--	--	--	--	3.84

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
SDW 474-M01-05BKT	11/30/1995	<0.48	159	--	--	--	--	4.87
SDW 474-M01-06WT	11/30/1995	<0.48	162	--	--	--	--	2.42
SDW 474-M01-07O	11/30/1995	<0.48	143	--	--	--	--	<0.25
SDW 474-M01-08GY	11/30/1995	<0.48	140	--	--	--	--	<0.25
SDW 474-M01-09Y	11/30/1995	<0.48	139	--	--	--	--	<0.25
SDW 474-M01-10P	11/30/1995	<0.48	143	--	--	--	--	<0.25
SDW 474-M01-11GN	11/30/1995	<0.48	145	--	--	--	--	<0.25
SDW 474-M01-12R	11/30/1995	<0.48	144	--	--	--	--	<0.25
SDW 474-M01-13BU	11/30/1995	<0.48	148	--	--	--	--	<0.25
SDW 474-M01-14BK	11/30/1995	<0.48	149	--	--	--	--	<0.25
SDW 474-M01-15W	11/30/1995	<0.48	156	--	--	--	--	<0.25
SDW 474-M01-01PT	1/26/1996	--	--	--	--	--	--	--
SDW 474-M01-02GNT	1/26/1996	<0.48	102	--	--	--	--	3.03
SDW 474-M01-03RT	1/26/1996	<0.48	123	--	--	--	--	3.48
SDW 474-M01-04BUT	1/26/1996	<0.48	143	--	--	--	--	4.35
SDW 474-M01-05BKT	1/26/1996	<0.48	142	--	--	--	--	4.35
SDW 474-M01-06WT	1/26/1996	<0.48	143	--	--	--	--	1.96
SDW 474-M01-07O	1/26/1996	<0.48	145	--	--	--	--	1.97
SDW 474-M01-08GY	1/26/1996	<0.48	124	--	--	--	--	<0.25
SDW 474-M01-08GY-D	1/26/1996	<0.48	111	--	--	--	--	<0.25
SDW 474-M01-09Y	1/26/1996	<0.48	127	--	--	--	--	<0.25
SDW 474-M01-10P	1/26/1996	<0.48	133	--	--	--	--	<0.25
SDW 474-M01-11GN	1/26/1996	<0.48	136	--	--	--	--	<0.25
SDW 474-M01-12R	1/26/1996	<0.48	132	--	--	--	--	<0.25
SDW 474-M01-13BU	1/26/1996	<0.48	133	--	--	--	--	<0.25

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
SDW 474-M01-14BK	1/26/1996	<0.48	134	--	--	--	--	<0.25
SDW 474-M01-15W	1/26/1996	<0.48	142	--	--	--	--	<0.25
SDW 474-M01-01PT	3/22/1996	<0.48	198	--	--	--	--	2.13
SDW 474-M01-02GNT	3/22/1996	<0.48	132	--	--	--	--	2.48
SDW 474-M01-03RT	3/22/1996	<0.48	143	--	--	--	--	2.06
SDW 474-M01-04BUT	3/22/1996	<0.48	170	--	--	--	--	5.04
SDW 474-M01-05BKT	3/22/1996	<0.48	160	--	--	--	--	7.57
SDW 474-M01-06WT	3/22/1996	<0.48	170	--	--	--	--	1.91
SDW 474-M01-07O	3/22/1996	<0.48	157	--	--	--	--	<0.25
SDW 474-M01-08GY	3/22/1996	<0.48	149	--	--	--	--	<0.25
SDW 474-M01-09Y	3/22/1996	<0.48	158	--	--	--	--	<0.25
SDW 474-M01-09Y-D	3/22/1996	<0.48	157	--	--	--	--	<0.25
SDW 474-M01-10P	3/22/1996	<0.48	170	--	--	--	--	<0.25
SDW 474-M01-11GN	3/22/1996	<0.48	167	--	--	--	--	<0.25
SDW 474-M01-12R	3/22/1996	<0.48	163	--	--	--	--	<0.25
SDW 474-M01-13BU	3/22/1996	<0.48	166	--	--	--	--	<0.25
SDW 474-M01-14BK	3/22/1996	<0.48	167	--	--	--	--	<0.25
SDW 474-M01-15W	3/22/1996	<0.48	177	--	--	--	--	<0.25
SDW 474-M01-01PT	5/16/1996	<0.48	214	--	--	--	--	2.92
SDW 474-M01-02GNT	5/16/1996	<0.48	134	--	--	--	--	2.75
SDW 474-M01-02GNT-D	5/16/1996	<0.48	132	--	--	--	--	2.62
SDW 474-M01-03RT	5/16/1996	<0.48	149	--	--	--	--	3.12
SDW 474-M01-04BUT	5/16/1996	<0.48	185	--	--	--	--	5.61
SDW 474-M01-05BKT	5/16/1996	<0.48	181	--	--	--	--	6.96

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
SDW 474-M01-06WT	5/16/1996	<0.48	192	--	--	--	--	2.11
SDW 474-M01-07O	5/16/1996	<0.48	179	--	--	--	--	<0.25
SDW 474-M01-08GY	5/16/1996	<0.48	170	--	--	--	--	<0.25
SDW 474-M01-09Y	5/16/1996	<0.48	176	--	--	--	--	0.29
SDW 474-M01-10P	5/16/1996	<0.48	180	--	--	--	--	0.29
SDW 474-M01-11GN	5/16/1996	<0.48	171	--	--	--	--	<0.25
SDW 474-M01-11GN-D	5/16/1996	<0.48	203	--	--	--	--	<0.25
SDW 474-M01-12R	5/16/1996	<0.48	185	--	--	--	--	<0.25
SDW 474-M01-13BU	5/16/1996	<0.48	183	--	--	--	--	<0.25
SDW 474-M01-14BK	5/16/1996	<0.48	176	--	--	--	--	<0.25
SDW 474-M01-15W	5/16/1996	<0.48	185	--	--	--	--	<0.25
SDW 474-M01-01PT	7/30/1996	<0.48	240	--	--	--	--	5.23
SDW 474-M01-02GNT	7/30/1996	<0.48	134	--	--	--	--	1.92
SDW 474-M01-02GNT-D	7/30/1996	<0.48	132	--	--	--	--	1.89
SDW 474-M01-03RT	7/30/1996	<0.48	180	--	--	--	--	3.08
SDW 474-M01-04BUT	7/30/1996	<0.48	186	--	--	--	--	4.77
SDW 474-M01-05BKT	7/30/1996	<0.48	189	--	--	--	--	6.24
SDW 474-M01-06WT	7/30/1996	<0.48	191	--	--	--	--	2.24
SDW 474-M01-07O	7/30/1996	<0.48	171	--	--	--	--	0.26
SDW 474-M01-08GY	7/30/1996	<0.48	172	--	--	--	--	<0.25
SDW 474-M01-09Y	7/30/1996	<0.48	170	--	--	--	--	<0.25
SDW 474-M01-10P	7/30/1996	<0.48	175	--	--	--	--	0.30
SDW 474-M01-11GN	7/30/1996	<0.48	178	--	--	--	--	0.26
SDW 474-M01-11GN-D	7/30/1996	<0.48	178	--	--	--	--	<0.25
SDW 474-M01-12R	7/30/1996	<0.48	189	--	--	--	--	<0.25

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
SDW 474-M01-13BU	7/30/1996	<0.48	186	--	--	--	--	0.31
SDW 474-M01-14BK	7/30/1996	<0.48	183	--	--	--	--	0.57
SDW 474-M01-15W	7/30/1996	<0.48	177	--	--	--	--	<0.25
SDW 474-M01-01PT	11/7/1996	<0.48	220	0.62	--	--	--	8.05
SDW 474-M01-02GNT	11/7/1996	<0.48	162	0.37	--	--	--	3.14
SDW 474-M01-03RT	11/7/1996	<0.48	155	0.15	--	--	--	1.88
SDW 474-M01-04BUT	11/7/1996	<0.48	164	0.17	--	--	--	2.92
SDW 474-M01-05BKT	11/7/1996	<0.48	181	0.25	--	--	--	4.00
SDW 474-M01-06WT	11/7/1996	<0.48	182	0.44	--	--	--	2.22
SDW 474-M01-07O	11/7/1996	<0.48	154	0.39	--	--	--	<0.25
SDW 474-M01-07O-D	11/7/1996	<0.48	145	0.35	--	--	--	<0.25
SDW 474-M01-08GY	11/7/1996	<0.48	159	0.47	--	--	--	<0.25
SDW 474-M01-09Y	11/7/1996	<0.48	174	0.29	--	--	--	<0.25
SDW 474-M01-10P	11/7/1996	<0.48	173	0.28	--	--	--	<0.25
SDW 474-M01-11GN	11/7/1996	<0.48	165	0.26	--	--	--	<0.25
SDW 474-M01-12R	11/7/1996	<0.48	176	0.06	--	--	--	<0.25
SDW 474-M01-13BU	11/7/1996	<0.48	170	0.10	--	--	--	<0.25
SDW 474-M01-14BK	11/7/1996	<0.48	169	0.17	--	--	--	<0.25
SDW 474-M01-15W	11/7/1996	<0.48	181	0.29	--	--	--	<0.25
SDW 474-M01-01PT	5/8/1997	<0.48	211	--	--	--	--	5.42
SDW 474-M01-02GNT	5/8/1997	<0.48	128	--	--	--	--	1.40
SDW 474-M01-03RT	5/8/1997	<0.48	125	--	--	--	--	2.27
SDW 474-M01-04BUT	5/8/1997	<0.48	143	--	--	--	--	4.16
SDW 474-M01-05BKT	5/8/1997	<0.48	174	--	--	--	--	5.35

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

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Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
SDW 474-M01-06WT	5/8/1997	<0.48	179	--	--	--	--	2.36
SDW 474-M01-06WT-D	5/8/1997	<0.48	182	--	--	--	--	2.22
SDW 474-M01-07O	5/8/1997	<0.48	171	--	--	--	--	<0.25
SDW 474-M01-08GY	5/8/1997	<0.48	156	--	--	--	--	0.42
SDW 474-M01-09Y	5/8/1997	<0.48	155	--	--	--	--	0.26
SDW 474-M01-10P	5/8/1997	<0.48	166	--	--	--	--	<0.25
SDW 474-M01-11GN	5/8/1997	<0.48	158	--	--	--	--	<0.25
SDW 474-M01-12R	5/8/1997	<0.48	160	--	--	--	--	<0.25
SDW 474-M01-13BU	5/8/1997	<0.48	163	--	--	--	--	<0.25
SDW 474-M01-14BK	5/8/1997	<0.48	165	--	--	--	--	<0.25
SDW 474-M01-15W	5/8/1997	<0.48	177	--	--	--	--	<0.25
SDW 474-M01-15W-D	5/8/1997	<0.48	177	--	--	--	--	<0.25
SDW 474-M01-01PT	8/14/1997	<0.48	244	0.51	--	--	--	8.34
SDW 474-M01-02GNT	8/14/1997	<0.48	120	0.19	--	--	--	1.08
SDW 474-M01-03RT	8/14/1997	<0.48	125	0.15	--	--	--	2.15
SDW 474-M01-04BUT	8/14/1997	<0.48	143	0.14	--	--	--	2.83
SDW 474-M01-05BKT	8/14/1997	<0.48	165	0.20	--	--	--	3.13
SDW 474-M01-06WT	8/14/1997	<0.48	186	0.40	--	--	--	2.10
SDW 474-M01-07O	8/14/1997	<0.48	180	0.39	--	--	--	0.50
SDW 474-M01-07O-D	8/14/1997	<0.48	186	0.39	--	--	--	0.31
SDW 474-M01-08GY	8/14/1997	<0.48	172	0.37	--	--	--	<0.25
SDW 474-M01-09Y	8/14/1997	<0.48	160	0.20	--	--	--	<0.25
SDW 474-M01-10P	8/14/1997	<0.48	164	0.23	--	--	--	0.28
SDW 474-M01-11GN	8/14/1997	<0.48	164	0.16	--	--	--	<0.25
SDW 474-M01-12R	8/14/1997	<0.48	166	0.06	--	--	--	<0.25

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
SDW 474-M01-13BU	8/14/1997	<0.48	174	0.10	--	--	--	<0.25
SDW 474-M01-14BK	8/14/1997	<0.48	179	0.21	--	--	--	0.29
SDW 474-M01-15W	8/14/1997	<0.48	185	0.21	--	--	--	0.36
SDW 474-M01-01PT	10/30/1997	<0.48	168	0.35	--	--	--	4.86
SDW 474-M01-02GNT	10/30/1997	<0.48	112	0.20	--	--	--	0.76
SDW 474-M01-03RT	10/30/1997	<0.48	124	0.11	--	--	--	1.36
SDW 474-M01-04BUT	10/30/1997	<0.48	148	0.12	--	--	--	2.12
SDW 474-M01-05BKT	10/30/1997	<0.48	161	0.17	--	--	--	2.47
SDW 474-M01-06WT	10/30/1997	<0.48	175	0.33	--	--	--	1.48
SDW 474-M01-07O	10/30/1997	<0.48	171	0.32	--	--	--	<0.25
SDW 474-M01-07O-D	10/30/1997	<0.48	175	0.30	--	--	--	<0.25
SDW 474-M01-08GY	10/30/1997	<0.48	162	0.33	--	--	--	<0.25
SDW 474-M01-09Y	10/30/1997	<0.48	150	0.28	--	--	--	<0.25
SDW 474-M01-10P	10/30/1997	<0.48	145	0.13	--	--	--	<0.25
SDW 474-M01-11GN	10/30/1997	<0.48	156	0.16	--	--	--	<0.25
SDW 474-M01-12R	10/30/1997	<0.48	160	0.06	--	--	--	<0.25
SDW 474-M01-13BU	10/30/1997	<0.48	165	0.10	--	--	--	<0.25
SDW 474-M01-14BK	10/30/1997	<0.48	164	0.21	--	--	--	<0.25
SDW 474-M01-15W	10/30/1997	<0.48	173	0.18	--	--	--	<0.25
SDW 474-M01-01PT	5/18/1998	<0.48	226	0.86	--	--	--	13.72
SDW 474-M01-02GNT	5/18/1998	<0.48	118	0.35	--	--	--	2.72
SDW 474-M01-03RT	5/18/1998	<0.48	134	0.13	--	--	--	1.72
SDW 474-M01-04BUT	5/18/1998	<0.48	154	0.15	--	--	--	2.94
SDW 474-M01-05BKT	5/18/1998	<0.48	165	0.21	--	--	--	3.46

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
SDW 474-M01-05BKT-D	5/18/1998	<0.48	163	0.21	--	--	--	3.41
SDW 474-M01-06WT	5/18/1998	<0.48	174	0.17	--	--	--	0.94
SDW 474-M01-07O	5/18/1998	<0.48	190	0.36	--	--	--	<0.25
SDW 474-M01-08GY	5/18/1998	<0.48	170	0.37	--	--	--	<0.25
SDW 474-M01-09Y	5/18/1998	<0.48	169	0.34	--	--	--	0.35
SDW 474-M01-10P	5/18/1998	<0.48	160	0.20	--	--	--	<0.25
SDW 474-M01-11GN	5/18/1998	<0.48	165	0.18	--	--	--	<0.25
SDW 474-M01-12R	5/18/1998	<0.48	169	0.06	--	--	--	<0.25
SDW 474-M01-13BU	5/18/1998	<0.48	174	0.10	--	--	--	0.35
SDW 474-M01-14BK	5/18/1998	<0.48	174	0.20	--	--	--	0.29
SDW 474-M01-14BK-D	5/18/1998	<0.48	176	0.21	--	--	--	<0.25
SDW 474-M01-15W	5/18/1998	<0.48	186	0.17	--	--	--	0.32
SDW 474-M01-01PT	11/4/1998	<0.48	160	0.28	--	--	--	4.36
SDW 474-M01-02GNT	11/4/1998	<0.48	120	0.17	--	--	--	0.99
SDW 474-M01-03RT	11/4/1998	<0.48	135	0.14	--	--	--	2.02
SDW 474-M01-04BUT	11/4/1998	<0.48	152	0.13	--	--	--	2.49
SDW 474-M01-05BKT	11/4/1998	<0.48	173	0.13	--	--	--	2.10
SDW 474-M01-05BKT-D	11/4/1998	<0.48	182	0.13	--	--	--	2.19
SDW 474-M01-06WT	11/4/1998	<0.48	183	0.27	--	--	--	1.44
SDW 474-M01-07O	11/4/1998	<0.48	200	0.45	--	--	--	0.29
SDW 474-M01-08GY	11/4/1998	<0.48	182	0.40	--	--	--	0.27
SDW 474-M01-09Y	11/4/1998	<0.48	181	0.54	--	--	--	<0.25
SDW 474-M01-10P	11/4/1998	<0.48	180	0.81	--	--	--	0.25
SDW 474-M01-11GN	11/4/1998	<0.48	205	0.81	--	--	--	0.26
SDW 474-M01-12R	11/4/1998	<0.48	178	0.08	--	--	--	0.25

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
SDW 474-M01-13BU	11/4/1998	<0.48	195	0.13	--	--	--	0.26
SDW 474-M01-14BK	11/4/1998	<0.48	199	0.23	--	--	--	0.38
SDW 474-M01-14BK-D	11/4/1998	<0.48	199	0.23	--	--	--	0.29
SDW 474-M01-15W	11/4/1998	<0.48	213	0.19	--	--	--	0.26
SDW 474-M01-01PT	6/16/1999	<0.48	165	0.20	--	--	--	2.31
SDW 474-M01-01PT-D	6/16/1999	<0.48	165	0.20	--	--	--	2.33
SDW 474-M01-02GNT	6/16/1999	<0.48	119	0.12	--	--	--	0.50
SDW 474-M01-03RT	6/16/1999	<0.48	153	0.24	--	--	--	3.32
SDW 474-M01-04BUT	6/16/1999	<0.48	165	0.22	--	--	--	4.04
SDW 474-M01-05BKT	6/16/1999	<0.48	174	0.23	--	--	--	3.38
SDW 474-M01-06WT	6/16/1999	<0.48	188	0.45	--	--	--	1.78
SDW 474-M01-07O	6/16/1999	<0.48	209	0.45	--	--	--	<0.25
SDW 474-M01-07O-D	6/16/1999	<0.48	190	0.40	--	--	--	<0.25
SDW 474-M01-08GY	6/16/1999	<0.48	185	0.46	--	--	--	<0.25
SDW 474-M01-09Y	6/16/1999	<0.48	175	0.49	--	--	--	<0.25
SDW 474-M01-10P	6/16/1999	<0.48	185	0.33	--	--	--	<0.25
SDW 474-M01-11GN	6/16/1999	<0.48	175	0.53	--	--	--	<0.25
SDW 474-M01-12R	6/16/1999	<0.48	174	0.13	--	--	--	<0.25
SDW 474-M01-13BU	6/16/1999	<0.48	172	0.11	--	--	--	<0.25
SDW 474-M01-13BU-D	6/16/1999	<0.48	168	0.11	--	--	--	<0.25
SDW 474-M01-14BK	6/16/1999	<0.48	179	0.19	--	--	--	<0.25
SDW 474-M01-15W	6/16/1999	<0.48	197	0.20	--	--	--	<0.25
SDW 474-M01-01PT	6/12/2000	<0.04	239	0.69	--	--	<0.3	6.21
SDW 474-M01-01PT-X	6/12/2000	<0.04	143	0.15	--	--	<0.3	0.30

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
SDW 474-M01-02GNT	6/12/2000	<0.04	112	0.19	--	--	<0.3	0.46
SDW 474-M01-02GNT-X	6/12/2000	<0.04	124	0.02	--	--	<0.3	0.25
SDW 474-M01-03RT	6/12/2000	<0.04	126	0.25	--	--	<0.3	3.25
SDW 474-M01-04BUT	6/12/2000	<0.04	141	0.40	--	--	<0.3	5.87
SDW 474-M01-05BKT	6/12/2000	<0.04	142	0.39	--	--	<0.3	4.60
SDW 474-M01-05BKT-X	6/12/2000	<0.04	146	0.01	--	--	<0.3	0.27
SDW 474-M01-06WT	6/12/2000	<0.04	136	0.57	--	--	<0.3	1.90
SDW 474-M01-06WT-D	6/12/2000	<0.04	140	0.62	--	--	<0.3	2.04
SDW 474-M01-07O	6/12/2000	<0.04	142	0.26	--	--	<0.3	0.15
SDW 474-M01-08GY	6/12/2000	<0.04	133	0.23	--	--	<0.3	<0.04
SDW 474-M01-09Y	6/12/2000	<0.04	131	0.32	--	--	<0.3	0.07
SDW 474-M01-10P	6/12/2000	<0.04	133	0.20	--	--	<0.3	<0.04
SDW 474-M01-11GN	6/12/2000	<0.04	125	0.17	--	--	<0.3	<0.04
SDW 474-M01-12R	6/12/2000	<0.04	139	0.10	--	--	<0.3	0.08
SDW 474-M01-13BU	6/12/2000	<0.04	142	0.18	--	--	<0.3	0.06
SDW 474-M01-14BK	6/12/2000	<0.04	138	0.21	--	--	<0.3	0.05
SDW 474-M01-15W	6/12/2000	<0.04	137	0.18	--	--	<0.3	0.09
SDW 474-M01-02GNT	6/17/2002	<0.04	151	0.30	<0.24	<0.25	<0.3	0.82
SDW 474-M01-02GNT-X	6/17/2002	<0.04	150	<0.006	<0.24	<0.25	<0.3	0.59
SDW 474-M01-03RT	6/17/2002	<0.04	142	0.31	<0.24	<0.25	<0.3	3.51
SDW 474-M01-04BUT	6/17/2002	<0.04	144	0.31	<0.24	<0.25	<0.3	4.90
SDW 474-M01-05BKT	6/17/2002	<0.04	142	0.45	<0.24	<0.25	<0.3	4.84
SDW 474-M01-05BKT-X	6/17/2002	<0.04	141	<0.006	<0.24	<0.25	<0.3	0.04
SDW 474-M01-06WT	6/17/2002	<0.04	145	0.59	<0.24	<0.25	<0.3	2.02
SDW 474-M01-07O	6/17/2002	<0.04	155	0.24	<0.24	<0.25	<0.3	0.39

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
SDW 474-M01-08GY	6/17/2002	<0.04	146	0.31	<0.24	<0.25	<0.3	0.05
SDW 474-M01-09Y	6/17/2002	<0.04	148	0.49	<0.24	<0.25	<0.3	0.06
SDW 474-M01-10P	6/17/2002	<0.04	152	0.75	<0.24	<0.25	<0.3	0.05
SDW 474-M01-11GN	6/17/2002	<0.04	154	0.51	<0.24	<0.25	<0.3	0.04
SDW 474-M01-12R	6/17/2002	<0.04	158	0.15	<0.24	<0.25	<0.3	0.06
SDW 474-M01-12R-D	6/17/2002	<0.04	156	0.15	<0.24	<0.25	<0.3	0.05
SDW 474-M01-13BU	6/17/2002	<0.04	156	0.12	<0.24	<0.25	<0.3	0.05
SDW 474-M01-14BK	6/17/2002	<0.04	162	0.19	<0.24	<0.25	<0.3	0.06
SDW 474-M01-15W	6/17/2002	<0.04	162	0.27	<0.24	<0.25	<0.3	0.04
SDW 474-M01-01PT	5/30/2003	<0.04	179	0.37	<0.24	<0.25	<0.3	2.05
SDW 474-M01-01PT-X	5/30/2003	<0.04	181	0.15	<0.24	<0.25	<0.3	1.04
SDW 474-M01-02GNT	5/30/2003	<0.04	165	0.29	<0.24	<0.25	<0.3	0.78
SDW 474-M01-02GNT-X	5/30/2003	<0.04	167	0.11	<0.24	<0.25	<0.3	0.38
SDW 474-M01-03RT	5/30/2003	<0.04	149	0.20	<0.24	<0.25	<0.3	2.12
SDW 474-M01-04BUT	5/30/2003	<0.04	160	0.33	<0.24	<0.25	<0.3	5.06
SDW 474-M01-05BKT	5/30/2003	<0.04	155	0.49	<0.24	<0.25	<0.3	5.23
SDW 474-M01-05BKT-D	5/30/2003	<0.04	155	0.49	<0.24	<0.25	<0.3	5.24
SDW 474-M01-05BKT-X	5/30/2003	<0.04	157	0.11	<0.24	<0.25	<0.3	1.48
SDW 474-M01-05BKT-X-D	5/30/2003	<0.04	152	0.15	<0.24	<0.25	<0.3	1.83
SDW 474-M01-06WT	5/30/2003	<0.04	156	0.65	<0.24	<0.25	<0.3	2.22
SDW 474-M01-07O	5/30/2003	<0.04	168	0.26	<0.24	<0.25	<0.3	0.49
SDW 474-M01-08GY	5/30/2003	<0.04	163	0.54	<0.24	<0.25	<0.3	0.05
SDW 474-M01-09Y	5/30/2003	<0.04	159	0.85	<0.24	<0.25	<0.3	0.07
SDW 474-M01-10P	5/30/2003	<0.04	162	0.62	<0.24	<0.25	<0.3	0.05
SDW 474-M01-10P-D	5/30/2003	<0.04	164	0.63	<0.24	<0.25	<0.3	<0.04

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
SDW 474-M01-11GN	5/30/2003	<0.04	176	0.75	<0.24	<0.25	<0.3	0.05
SDW 474-M01-12R	5/30/2003	<0.04	177	0.23	<0.24	<0.25	<0.3	0.04
SDW 474-M01-13BU	5/30/2003	<0.04	173	0.26	<0.24	<0.25	<0.3	0.08
SDW 474-M01-14BK	5/30/2003	<0.04	178	0.34	<0.24	<0.25	<0.3	0.06
SDW 474-M01-15W	5/30/2003	<0.04	185	0.46	<0.24	<0.25	<0.3	<0.04
SDW 474-M01-01PT	8/26/2004	<0.04	152	0.20	<0.24	<0.25	<0.3	2.60
SDW 474-M01-01PT-X	8/26/2004	<0.04	153	0.01	<0.24	<0.25	<0.3	0.15
SDW 474-M01-02GNT	8/26/2004	<0.04	129	0.27	<0.24	<0.25	<0.3	3.37
SDW 474-M01-02GNT-X	8/26/2004	<0.04	124	0.01	<0.24	<0.25	<0.3	0.09
SDW 474-M01-03RT	8/26/2004	<0.04	115	0.14	<0.24	<0.25	<0.3	5.01
SDW 474-M01-04BUT	8/26/2004	<0.04	127	0.20	<0.24	<0.25	<0.3	6.01
SDW 474-M01-05BKT	8/26/2004	<0.04	145	0.13	<0.24	<0.25	<0.3	4.16
SDW 474-M01-05BKT-X	8/26/2004	<0.04	147	<0.006	<0.24	<0.25	<0.3	0.11
SDW 474-M01-06WT	8/26/2004	<0.04	147	0.22	<0.24	<0.25	<0.3	0.79
SDW 474-M01-07O	8/26/2004	<0.04	157	0.18	<0.24	<0.25	<0.3	2.81
SDW 474-M01-08GY	8/26/2004	<0.04	154	0.13	<0.24	<0.25	<0.3	2.68
SDW 474-M01-09Y	8/26/2004	<0.04	148	0.13	<0.24	<0.25	<0.3	2.37
SDW 474-M01-09Y-D	8/26/2004	<0.04	146	0.13	<0.24	<0.25	<0.3	2.47
SDW 474-M01-10P	8/26/2004	<0.04	155	0.26	<0.24	<0.25	<0.3	2.66
SDW 474-M01-11GN	8/26/2004	<0.04	158	0.62	<0.24	<0.25	<0.3	2.48
SDW 474-M01-12R	8/26/2004	<0.04	164	0.29	<0.24	<0.25	<0.3	2.36
SDW 474-M01-13BU	8/26/2004	<0.04	169	0.42	<0.24	<0.25	<0.3	3.01
SDW 474-M01-14BK	8/26/2004	<0.04	171	0.28	<0.24	<0.25	<0.3	0.14
SDW 474-M01-15W	8/26/2004	<0.04	181	0.38	<0.24	<0.25	<0.3	3.03

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
SDW 521-M01-01PT	8/14/2001	<0.04	116.8	0.37	<0.24	--	<0.3	0.77
SDW 521-M01-02GNT	8/14/2001	<0.04	125.3	0.42	<0.24	--	<0.3	2.92
SDW 521-M01-03RT	8/14/2001	<0.04	117.7	0.61	<0.24	--	<0.3	1.15
SDW 521-M01-04BUT	8/14/2001	<0.04	124.3	0.36	<0.24	--	<0.3	0.52
SDW 521-M01-05BKT	8/14/2001	<0.04	128.1	0.42	<0.24	--	<0.3	0.65
SDW 521-M01-06WT	8/14/2001	<0.04	178.2	0.44	<0.24	--	<0.3	0.89
SDW 521-M01-07O	8/14/2001	<0.04	201.9	0.37	<0.24	--	<0.3	1.07
SDW 521-M01-08GY	8/14/2001	<0.04	189.9	0.29	<0.24	--	<0.3	0.69
SDW 521-M01-09Y	8/14/2001	<0.04	198.1	0.29	<0.24	--	<0.3	0.45
SDW 521-M01-10P	8/14/2001	<0.04	174.6	0.18	<0.24	--	<0.3	0.49
SDW 521-M01-11GN	8/14/2001	<0.04	121.0	0.17	<0.24	--	<0.3	0.27
SDW 521-M01-12R	8/14/2001	<0.04	126.9	0.33	<0.24	--	<0.3	0.37
SDW 521-M01-13BU	8/14/2001	<0.04	126.3	0.29	<0.24	--	<0.3	0.19
SDW 521-M01-13BU-D	8/14/2001	<0.04	125.9	0.29	<0.24	--	<0.3	0.20
SDW 521-M01-14BK	8/14/2001	<0.04	128.7	0.34	<0.24	--	<0.3	0.32
SDW 521-M01-15W	8/14/2001	<0.04	131.0	0.42	<0.24	--	<0.3	0.21
SDW 521-M01-01PT	6/17/2002	--	--	--	--	--	--	--
SDW 521-M01-02GNT	6/17/2002	<0.04	151.6	0.33	--	--	<0.3	2.00
SDW 521-M01-03RT	6/17/2002	<0.04	133.7	0.39	--	--	<0.3	0.67
SDW 521-M01-04BUT	6/17/2002	<0.04	147.4	0.23	--	--	<0.3	0.35
SDW 521-M01-05BKT	6/17/2002	<0.04	152.9	0.27	--	--	<0.3	0.43
SDW 521-M01-06WT	6/17/2002	<0.04	159.7	0.29	--	--	<0.3	0.64
SDW 521-M01-07O	6/17/2002	<0.04	236.6	0.23	--	--	<0.3	0.68
SDW 521-M01-08GY	6/17/2002	<0.04	242.5	0.24	--	--	<0.3	0.71
SDW 521-M01-09Y	6/17/2002	<0.04	179.2	0.30	--	--	<0.3	0.95

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
SDW 521-M01-10P	6/17/2002	<0.04	178.8	0.37	--	--	<0.3	0.69
SDW 521-M01-10P-D	6/17/2002	<0.04	216.2	0.38	--	--	<0.3	0.57
SDW 521-M01-11GN	6/17/2002	<0.04	163.7	0.27	--	--	<0.3	0.33
SDW 521-M01-12R	6/17/2002	<0.04	154.1	0.11	--	--	<0.3	0.27
SDW 521-M01-13BU	6/17/2002	<0.04	157.9	0.15	--	--	<0.3	0.11
SDW 521-M01-14BK	6/17/2002	<0.04	161.7	0.30	--	--	<0.3	0.35
SDW 521-M01-15W	6/17/2002	<0.04	164.4	0.33	--	--	<0.3	0.15
SDW 521-M01-01PT	6/3/2003	<0.04	153.1	0.15	<0.24	<0.25	<0.3	0.48
SDW 521-M01-02GNT	6/3/2003	<0.04	186.9	0.18	<0.24	<0.25	<0.3	1.68
SDW 521-M01-03RT	6/3/2003	<0.04	227.8	0.39	<0.24	<0.25	<0.3	0.70
SDW 521-M01-04BUT	6/3/2003	<0.04	166.9	0.24	<0.24	<0.25	<0.3	0.51
SDW 521-M01-05BKT	6/3/2003	<0.04	162.0	0.13	<0.24	<0.25	<0.3	0.43
SDW 521-M01-06WT	6/3/2003	<0.04	175.6	0.21	<0.24	<0.25	<0.3	0.61
SDW 521-M01-06WT-D	6/3/2003	<0.04	182.4	0.22	<0.24	<0.25	<0.3	0.64
SDW 521-M01-07O	6/3/2003	<0.04	216.2	0.17	<0.24	<0.25	<0.3	1.32
SDW 521-M01-08GY	6/3/2003	<0.04	203.7	0.16	<0.24	<0.25	<0.3	1.14
SDW 521-M01-09Y	6/3/2003	<0.04	182.7	0.25	<0.24	<0.25	<0.3	0.83
SDW 521-M01-10P	6/3/2003	<0.04	183.7	0.36	<0.24	<0.25	<0.3	0.58
SDW 521-M01-11GN	6/3/2003	<0.04	195.5	0.37	<0.24	<0.25	<0.3	0.47
SDW 521-M01-12R	6/3/2003	<0.04	187.4	0.19	<0.24	<0.25	<0.3	0.20
SDW 521-M01-13BU	6/3/2003	<0.04	183.9	0.14	<0.24	<0.25	<0.3	0.11
SDW 521-M01-14BK	6/3/2003	<0.04	199.8	0.19	<0.24	<0.25	<0.3	0.16
SDW 521-M01-15W	6/3/2003	<0.04	196.6	0.17	<0.24	<0.25	<0.3	0.12
SDW 521-M01-01PT	7/26/2004	<0.04	157.3	0.22	<0.24	<0.25	<0.3	1.59

Table 9, part 3. Concentrations of selected inorganic solutes for water samples from wells and multilevel samplers in and near the treated-wastewater plume, Ashumet Valley, Cape Cod, Massachusetts, 1994-2004.

[Source of data: Douglas B. Kent, U.S. Geological Survey, National Research Program, Menlo Park, CA. Locations of wells and multilevel samplers are shown in figure 1. -D, duplicate; -R, reanalysis of original or duplicate sample; -X, Chelex-filtered samples; μM, micromoles per liter; <, actual value is less than value shown; --, no data]

Well or multilevel-sampler port	Date	Lead, dissolved (μM)	Silica, dissolved (μM)	Strontium, dissolved (μM)	Thallium, dissolved (μM)	Uranium, dissolved (μM)	Vanadium, dissolved (μM)	Zinc, dissolved (μM)
SDW 521-M01-02GNT	7/26/2004	<0.04	213.9	0.35	<0.24	<0.25	<0.3	5.80
SDW 521-M01-03RT	7/26/2004	<0.04	159.3	0.40	<0.24	<0.25	<0.3	4.52
SDW 521-M01-04BUT	7/26/2004	<0.04	153.7	0.39	<0.24	<0.25	<0.3	3.87
SDW 521-M01-05BKT	7/26/2004	<0.04	156.1	0.41	<0.24	<0.25	<0.3	4.20
SDW 521-M01-06WT	7/26/2004	<0.04	164.2	0.36	<0.24	<0.25	<0.3	4.33
SDW 521-M01-07O	7/26/2004	<0.04	172.5	0.24	<0.24	<0.25	<0.3	5.13
SDW 521-M01-08GY	7/26/2004	<0.04	174.7	0.24	<0.24	<0.25	<0.3	4.58
SDW 521-M01-09Y	7/26/2004	<0.04	173.5	0.42	<0.24	<0.25	<0.3	3.74
SDW 521-M01-10P	7/26/2004	<0.04	170.7	0.76	<0.24	<0.25	<0.3	2.37
SDW 521-M01-10P-D	7/26/2004	<0.04	171.9	0.76	<0.24	<0.25	<0.3	4.02
SDW 521-M01-11GN	7/26/2004	<0.04	182.6	0.93	<0.24	<0.25	<0.3	3.81
SDW 521-M01-12R	7/26/2004	<0.04	168.7	0.66	<0.24	<0.25	<0.3	3.25
SDW 521-M01-13BU	7/26/2004	<0.04	180.8	0.57	<0.24	<0.25	<0.3	2.42
SDW 521-M01-14BK	7/26/2004	<0.04	189.9	0.38	<0.24	<0.25	<0.3	2.32
SDW 521-M01-15W	7/26/2004	<0.04	195.1	0.29	<0.24	<0.25	<0.3	2.75