

**Table 1H.** Physical properties and event mean concentrations of major inorganic constituents, nutrients, trace metals, suspended sediments, fecal-indicator bacteria, and semi-volatile organic compounds for highway runoff event mean concentrations from sequential points within the drainage system of the Southeast Expressway near Boston, Massachusetts

[°C, Degrees Celsius; E, estimated; ntu, nephelometric turbidity units; -R, replicate sample; USGS-MA U.S. Geological Survey-Massachusetts; mg/L, milligrams per liter; µg/L, micrograms per liter; µS/cm, microsiemen per centimeter; µm, micrometers; <, concentration is less than value shown; >, concentration is greater than value shown; (), laboratory rerun; fecal-indicator bacteria were mathematically estimated from subcomposites; --, no data]

Station identifier	Date	Specific conductance, laboratory (µS/cm at 25°C)	Specific conductance, field (µS/cm at 25°C)	ph water whole field (standard units)	Turbidity, field (ntu)	Oxygen demand, chemical (mg/L)	Coliform, fecal (col/100 mL)
<b>Environmental samples</b>							
739-02	9-30-1999	161	160	7.3	160	84	--
739-02-R	9-30-1999	161	160	7.3	160	79	--
739-02	1-10-2000	643	632	6.6	190	93	--
739-02	3-17-2000	1,050	990	7.6	75	88	--
739-02	6-02-2000	402	414	6.6	130	120	--
739-03	9-30-1999	149	147	7.3	170	77	5,900
739-03-R	9-30-1999	149	147	7.3	170	77	--
739-03	1-10-2000	737	735	7.9	210	93	390
739-03-R	1-10-2000	740	735	7.9	210	130	--
739-03	3-17-2000	4,390	4,150	7.4	110	85	11
739-03	6-02-2000	368	366	6.7	160	140	420
136-02	9-30-1999	242	242	7.2	140	94	--
136-02	1-10-2000	829	818	7.8	230	120	--
136-02-R	1-10-2000	823	821	7.8	220	120	--
136-02	3-17-2000	884	834	7.2	110	67	--
136-02	6-02-2000	315	312	6.8	130	42	--
136-03	9-30-1999	203	193	7.1	170	37	5,000
136-03	1-10-2000	930	922	7.7	230	130	370
136-03	3-17-2000	1,030	958	7.2	120	79	110
136-03	6-02-2000	325	320	6.7	130	130	<10
136-04	9-30-1999	195	189	7.1	250	130	--
136-04	1-10-2000	1,140	1,139	7.8	300	160	--
136-04	3-17-2000	457	428	7.2	110	55	--
136-04	6-02-2000	269	265	6.3	190	58	--
136-05	9-30-1999	122	120	7.3	280	71	--
136-05	1-10-2000	879	864	7.9	320	160	--
136-05	3-17-2000	302	278	7.1	110	54	--
136-05-R	3-17-2000	*24	278	7.1	110	50	--
136-05	6-02-2000	200	195	6.5	240	160	--
<b>Quality-control samples</b>							
Deionized water blanks							
USGS-MA Laboratory	7-12-1999	1.33	--	--	--	--	--
USGS-MA Laboratory	2-08-2000	1.74	--	--	--	--	--
Ambient-atmospheric blanks							
USGS-MA Laboratory	7-12-1999	<2.6	--	--	--	--	--
USGS-MA Laboratory	2-08-2000	E1.52	--	--	--	--	--
Equipment blanks							
USGS-MA Laboratory	9-28-1999	E1.37	1	--	--	<10	--
USGS-MA Laboratory	6-01-2000	--	--	--	--	--	--
Material blanks							
USGS-MA Laboratory	7-29-1998	2	--	--	--	--	--
USGS-MA Laboratory	3-18-1999	--	1	--	--	--	--

**Table 1H.** Physical properties and event mean concentrations of major inorganic constituents, nutrients, trace metals, suspended sediments, fecal-indicator bacteria, and semi-volatile organic compounds for highway runoff event mean concentrations from sequential points within the drainage system of the Southeast Expressway near Boston, Massachusetts—*Continued*

Station identifier	Date	Enterococci (col/100 mL)	Calcium, dissolved (mg/L as Ca)	Magnesium, dissolved (mg/L as Mg)	Sodium, dissolved (mg/L as Na)	Potassium, dissolved (mg/L as K)	Sulfate, dissolved (mg/L as SO <sub>4</sub> )	Chloride, dissolved (mg/L as Cl)
<b>Environmental samples—Continued</b>								
739-02	9-30-1999	--	9.6	0.6	18.0	1.6	13	19
739-02-R	9-30-1999	--	9.7	.6	18	1.6	13	19
739-02	1-10-2000	--	11	.7	100	1.5	11	170
739-02	3-17-2000	--	8.0	.8	190	1.1	9.7	300
739-02	6-02-2000	--	12	.8	61	2.1	18	90
739-03	9-30-1999	8,200	--	--	--	--	--	--
739-03-R	9-30-1999	--	8.6	.6	16	1.6	12	17
739-03	1-10-2000	3,800	15	.8	120	1.8	13	200
739-03-R	1-10-2000	--	15	.8	120	1.9	13	200
739-03	3-17-2000	410	20	2.3	840	2.6	21	1,300
739-03	6-02-2000	2,700	11	.7	54	1.8	18	76
136-02	9-30-1999	--	13	.9	27	2.2	19	35
136-02	1-10-2000	--	14	.9	130	1.8	14	220
136-02-R	1-10-2000	--	14	.9	130	1.9	14	220
136-02	3-17-2000	--	8.5	.7	150	1.2	11	250
136-02	6-02-2000	--	10	.7	45	1.7	14	67
136-03	9-30-1999	12,000	11	.8	22	1.8	17	26
136-03	1-10-2000	5,900	15	1.0	160	2	15	250
136-03	3-17-2000	580	10	.8	180	1.3	13	280
136-03	6-02-2000	2,600	11	.7	47	1.8	14	69
136-04	9-30-1999	--	11	.9	21	1.9	16	26
136-04	1-10-2000	--	11	.8	200	1.5	11	330
136-04	3-17-2000	--	5	.5	76	.8	7.3	120
136-04	6-02-2000	--	8.5	.7	37	1.3	13	55
136-05	9-30-1999	--	6.6	.6	11	1.4	9.5	15
136-05	1-10-2000	--	8.5	.6	150	1.3	9.5	240
136-05	3-17-2000	--	3.4	.3	49	.5	5.2	75
136-05-R	3-17-2000	--	3.4	.3	49	.5	5.3	76
136-05	6-02-2000	--	6.8	.5	25	.9	9.8	38
<b>Quality-control samples—Continued</b>								
Deionized water blanks								
USGS-MA Laboratory	7-12-1999	--	<0.02	<0.004	<0.06	<0.1	<0.1	<0.1
USGS-MA Laboratory	2-08-2000	--	<.02	<.014	<.09	<.24	<.31	<.29
Ambient-atmospheric blanks								
USGS-MA Laboratory	7-12-1999	--	--	--	--	--	--	--
USGS-MA Laboratory	2-08-2000	--	--	--	--	--	--	--
Equipment blanks								
USGS-MA Laboratory	9-28-1999	--	--	--	<.09	<.24	<.31	<.29
USGS-MA Laboratory	6-01-2000	--	--	--	--	--	--	--
Material blanks								
USGS-MA Laboratory	7-29-1998	--	--	--	--	--	--	--
USGS-MA Laboratory	3-18-1999	--	--	--	--	--	--	--

**Table 1H.** Physical properties and event mean concentrations of major inorganic constituents, nutrients, trace metals, suspended sediments, fecal-indicator bacteria, and semi-volatile organic compounds for highway runoff event mean concentrations from sequential points within the drainage system of the Southeast Expressway near Boston, Massachusetts—*Continued*

Station identifier	Date	Fluoride, dissolved (mg/L as F)	Silica, dissolved (mg/L as SiO <sub>2</sub> )	Solids, residue at 180°C, dissolved (mg/L)	Residue, total at 105°C, suspended (mg/L)	Nitrogen, nitrite dissolved (mg/L as N)	Nitrogen, NO <sub>2</sub> +NO <sub>3</sub> , dissolved (mg/L as N)
<b>Environmental samples—Continued</b>							
739-02	9-30-1999	0.4	2.7	94	--	0.07	0.42
739-02-R	9-30-1999	.4	2.7	98	--	.07	.42
739-02	1-10-2000	.3	1.5	325	188	.09	.48
739-02	3-17-2000	.1	.9	520	38	.03	.26
739-02	6-02-2000	.5	1.9	226	--	.11	1.3
739-03	9-30-1999	--	--	--	--	.08	.46
739-03-R	9-30-1999	.5	2.5	88	--	.08	.46
739-03	1-10-2000	.3	1.7	382	192	.10	.55
739-03-R	1-10-2000	.3	1.7	380	186	.09	.54
739-03	3-17-2000	.2	1.1	2,300	126	.06	.46
739-03	6-02-2000	.5	1.6	201	--	.08	1.4
136-02	9-30-1999	.6	3.0	131	--	.12	.50
136-02	1-10-2000	.3	1.8	428	216	.10	.63
136-02-R	1-10-2000	.3	1.8	428	224	.10	.62
136-02	3-17-2000	.1	.9	441	112	.03	.44
136-02	6-02-2000	.4	1.8	170	--	.08	1.0
136-03	9-30-1999	.5	2.5	117	--	.11	.58
136-03	1-10-2000	.3	1.9	475	230	.10	.60
136-03	3-17-2000	.1	.9	498	150	.04	.47
136-03	6-02-2000	.4	1.7	179	--	.08	1.1
136-04	9-30-1999	.5	2.1	115	--	.08	.46
136-04	1-10-2000	.2	1.5	590	272	.08	.51
136-04	3-17-2000	.1	.6	222	100	.03	.38
136-04	6-02-2000	.4	1.0	157	--	.06	1.2
136-05	9-30-1999	.4	1.2	73	--	.09	.40
136-05	1-10-2000	.2	1.2	447	286	.07	.46
136-05	3-17-2000	<.1	.5	141	119	.02	.22
136-05-R	3-17-2000	<.1	.5	<.3	--	.02	.22
136-05	6-02-2000	.3	.9	117	--	.03	.90
<b>Quality-control samples—Continued</b>							
Deionized water blanks							
USGS-MA Laboratory	7-12-1999	<0.1	E0.038	<10	--	<0.01	<0.05
USGS-MA Laboratory	2-08-2000	<.1	E.0577	<10	--	<.01	<.05
Ambient-atmospheric blanks							
USGS-MA Laboratory	7-12-1999	--	--	--	--	<.01	<.05
USGS-MA Laboratory	2-08-2000	--	--	--	--	<.01	<.05
Equipment blanks							
USGS-MA Laboratory	9-28-1999	<.1	<.09	<10	--	<.01	<.05
USGS-MA Laboratory	6-01-2000	--	--	--	--	--	--
Material blanks							
USGS-MA Laboratory	7-29-1998	--	--	--	--	--	--
USGS-MA Laboratory	3-18-1999	--	--	--	--	--	--

**Table 1H.** Physical properties and event mean concentrations of major inorganic constituents, nutrients, trace metals, suspended sediments, fecal-indicator bacteria, and semi-volatile organic compounds for highway runoff event mean concentrations from sequential points within the drainage system of the Southeast Expressway near Boston, Massachusetts—*Continued*

Station identifier	Date	Nitrogen, ammonia, dissolved (mg/L as N)	Nitrogen, ammonia + organic, total (mg/L as N)	Nitrogen, ammonia + organic, dissolved (mg/L as N)	Phosphorus, total (mg/L as P)	Phosphorus, dissolved (mg/L as P)	Phosphorus ortho, dissolved (mg/L as P)
<b>Environmental samples—Continued</b>							
739-02	9-30-1999	0.37	0.16	0.76	0.18	0.04	0.01
739-02-R	9-30-1999	.37	.75	.61	.04	.08	.05
739-02	1-10-2000	.69	1.8	.95	.32	.03	.02
739-02	3-17-2000	.42	.87	.56	.17	.04	.03
739-02	6-02-2000	.75	2.8	1.4	.50	.03	.02
739-03	9-30-1999	.42	1.4	.81	.25	.05	.03
739-03-R	9-30-1999	.42	1.4	.81	.24	.05	.03
739-03	1-10-2000	.74	1.8	1.0	2.5	.03	.02
739-03-R	1-10-2000	.74	2.0	1.0	.36	.03	.02
739-03	3-17-2000	.81	1.3	1.0	.19	.03	.03
739-03	6-02-2000	.72	2.9	1.4	.62	.02	<.01
136-02	9-30-1999	.66	2.1	1.3	.29	.06	.02
136-02	1-10-2000	.75	2.0	1.1	.38	.03	.01
136-02-R	1-10-2000	.71	2.1	1.1	.39	.03	.01
136-02	3-17-2000	.52	1.1	.68	.19	.01	<.01
136-02	6-02-2000	.55	2.3	1.1	.42	.04	.02
136-03	9-30-1999	.54	1.3	1.2	.24	.07	.01
136-03	1-10-2000	.75	2.1	1.1	.50	.03	.01
136-03	3-17-2000	.55	1.4	.80	.30	.02	<.01
136-03	6-02-2000	.67	2.8	1.3	.64	.04	.02
136-04	9-30-1999	1.1	2.4	1.6	.39	.10	E.05
136-04	1-10-2000	.69	2.0	1.0	.46	.04	.02
136-04	3-17-2000	.51	1.3	.64	.17	.01	<.01
136-04	6-02-2000	1.1	3.5	1.8	.70	.08	.03
136-05	9-30-1999	.87	2.2	1.3	.43	.10	.06
136-05	1-10-2000	.72	2.1	1.0	.53	.05	.03
136-05	3-17-2000	.37	.88	.45	.43	.02	<.01
136-05-R	3-17-2000	.36	.86	.43	.32	.02	<.01
136-05	6-02-2000	.79	3.8	1.3	.90	.08	.03
<b>Quality-control samples—Continued</b>							
Deionized water blanks							
USGS-MA Laboratory	7-12-1999	<0.02	--	E0.051	--	<0.004	<0.01
USGS-MA Laboratory	2-08-2000	<.02	--	<.1	--	<.006	<.01
Ambient-atmospheric blanks							
USGS-MA Laboratory	7-12-1999	<.02	--	<.1	--	<.004	<.01
USGS-MA Laboratory	2-08-2000	<.02	--	<.1	--	<.006	<.01
Equipment blanks							
USGS-MA Laboratory	9-28-1999	<.02	0.257	<.1	<0.008	<.006	<.01
USGS-MA Laboratory	6-01-2000	--	--	--	--	--	--
Material blanks							
USGS-MA Laboratory	7-29-1998	--	--	--	--	--	--
USGS-MA Laboratory	3-18-1999	--	--	--	--	--	--

**Table 1H.** Physical properties and event mean concentrations of major inorganic constituents, nutrients, trace metals, suspended sediments, fecal-indicator bacteria, and semi-volatile organic compounds for highway runoff event mean concentrations from sequential points within the drainage system of the Southeast Expressway near Boston, Massachusetts—*Continued*

Station identifier	Date	Aluminum, dissolved (µg/L as Al)	Antimony, dissolved (µg/L as Sb)	Arsenic, total (µg/L as As)	Arsenic, dissolved (µg/L as As)	Barium, dissolved (µg/L as Ba)	Beryllium, total recoverable (µg/L as Be)
<b>Environmental samples—Continued</b>							
739-02	9-30-1999	--	--	E2	--	--	<5
739-02-R	9-30-1999	--	--	E2	--	--	<5
739-02	1-10-2000	26	1	E2	<2	34	<5
739-02	3-17-2000	--	--	E2	--	--	<5
739-02	6-02-2000	--	--	4	--	--	<5
739-03	9-30-1999	--	--	E1	--	--	<5
739-03-R	9-30-1999	--	--	E2	--	--	<5
739-03	1-10-2000	24	1	E2	<2	37	<5
739-03-R	1-10-2000	28	2	3	<2	41	<5
739-03	3-17-2000	--	--	E2	--	--	<5
739-03	6-02-2000	--	--	4	--	--	<5
136-02	9-30-1999	--	--	E2	--	--	<5
136-02	1-10-2000	18	2	E3	<2	37	<5
136-02-R	1-10-2000	18	2	E2	<2	42	<5
136-02	3-17-2000	--	--	E2	--	--	<5
136-02	6-02-2000	--	--	3	--	--	<5
136-03	9-30-1999	--	--	3	--	--	<5
136-03	1-10-2000	11	2	3	<2	41	<5
136-03	3-17-2000	--	--	4	--	--	<5
136-03	6-02-2000	--	--	4	--	--	<5
136-04	9-30-1999	--	--	E3	--	--	<5
136-04	1-10-2000	25	2	3	<2	46	<5
136-04	3-17-2000	--	--	E2	--	--	<5
136-04	6-02-2000	--	--	4	--	--	<5
136-05	9-30-1999	--	--	3	--	--	<5
136-05	1-10-2000	24	2	4	<2	38	<5
136-05	3-17-2000	--	--	5	--	--	<5
136-05-R	3-17-2000	--	--	3	--	--	<5
136-05	6-02-2000	--	--	6	--	--	<5
<b>Quality-control samples—Continued</b>							
Deionized water blanks							
USGS-MA Laboratory	7-12-1999	<1	<1	--	<1	<1	--
USGS-MA Laboratory	2-08-2000	<1	<1	--	<2	<1	--
Ambient-atmospheric blanks							
USGS-MA Laboratory	7-12-1999	<1	<1	--	<1	<1	--
USGS-MA Laboratory	2-08-2000	<1	<1	--	<2	<1	<1
Equipment blanks							
USGS-MA Laboratory	9-28-1999	--	--	<2.6	--	--	<5
USGS-MA Laboratory	6-01-2000	--	--	--	--	--	--
Material blanks							
USGS-MA Laboratory	7-29-1998	2.08	<1	--	<1	<1	--
USGS-MA Laboratory	3-18-1999	--	--	--	--	--	--

**Table 1H.** Physical properties and event mean concentrations of major inorganic constituents, nutrients, trace metals, suspended sediments, fecal-indicator bacteria, and semi-volatile organic compounds for highway runoff event mean concentrations from sequential points within the drainage system of the Southeast Expressway near Boston, Massachusetts—*Continued*

Station identifier	Date	Beryllium, dissolved (µg/L as Be)	Cadmium, water unfiltered, total (µg/L as Cd)	Cadmium, dissolved (µg/L as Cd)	Chromium, total recoverable (µg/L as Cr)	Chromium, dissolved (µg/L as Cr)	Cobalt, dissolved (µg/L as Co)
<b>Environmental samples—Continued</b>							
739-02	9-30-1999	--	1		20	--	--
739-02-R	9-30-1999	--	1		20	--	--
739-02	1-10-2000	<1	2	<1	25	10	<1
739-02	3-17-2000	--	1	--	12	--	--
739-02	6-02-2000	--	2	--	37	--	--
739-03	9-30-1999	--	1	--	20	--	--
739-03-R	9-30-1999	--	1	--	20	--	--
739-03	1-10-2000	<1	2	<1	25	11	<1
739-03-R	1-10-2000	<1	2	<1	26	9.5	<1
739-03	3-17-2000	--	3	--	15	--	--
739-03	6-02-2000	--	2	--	40	--	--
136-02	9-30-1999	--	1	--	19	--	--
136-02	1-10-2000	<1	2	<1	22	6.0	<1
136-02-R	1-10-2000	<1	2	<1	21	6.1	<1
136-02	3-17-2000	--	1	--	19	--	--
136-02	6-02-2000	--	2	--	40	--	--
136-03	9-30-1999	--	2	--	24	--	--
136-03	1-10-2000	<1	.3	<1	25	6.2	<1
136-03	3-17-2000	--	3	--	46	--	--
136-03	6-02-2000	--	2	--	45	--	--
136-04	9-30-1999	--	2	--	33	--	--
136-04	1-10-2000	<1	3	<1	34	13	<1
136-04	3-17-2000	--	1	--	18	--	--
136-04	6-02-2000	--	3	--	68	--	--
136-05	9-30-1999	--	2	--	40	--	--
136-05	1-10-2000	<1	3	<1	38	14	<1
136-05	3-17-2000	--	2	--	41	--	--
136-05-R	3-17-2000	--	1	--	30	--	--
136-05	6-02-2000	--	3	--	90	--	--
<b>Quality-control samples—Continued</b>							
Deionized water blanks							
USGS-MA Laboratory	7-12-1999	<1	--	<1	--	<1	<1
USGS-MA Laboratory	2-08-2000	<1	--	<1	--	<.8	<1
Ambient-atmospheric blanks							
USGS-MA Laboratory	7-12-1999	<1	--	<1	--	<1	<1
USGS-MA Laboratory	2-08-2000	<1	--	<1	--	<.8	<1
Equipment blanks							
USGS-MA Laboratory	9-28-1999	--	<0.11	--	<1	--	--
USGS-MA Laboratory	6-01-2000	--	--	--	--	--	--
Material blanks							
USGS-MA Laboratory	7-29-1998	<1	--	<1	--	<1	<1
USGS-MA Laboratory	3-18-1999	--	--	--	--	--	--

**Table 1H.** Physical properties and event mean concentrations of major inorganic constituents, nutrients, trace metals, suspended sediments, fecal-indicator bacteria, and semi-volatile organic compounds for highway runoff event mean concentrations from sequential points within the drainage system of the Southeast Expressway near Boston, Massachusetts—*Continued*

Station identifier	Date	Copper, total recoverable (µg/L as Cu)	Copper, dissolved (µg/l as Cu)	Iron, total recoverable (µg/L as Fe)	Iron, dissolved (µg/L as Fe)	Lead, total recoverable (µg/L as Pb)	Lead, dissolved (µg/L as Pb)
<b>Environmental samples—Continued</b>							
739-02	9-30-1999	86	--	6,900	150	47	--
739-02-R	9-30-1999	85	--	7,000	140	47	--
739-02	1-10-2000	110	11	7,900	<10	71	<1
739-02	3-17-2000	60	--	3,800	<10	38	--
739-02	6-02-2000	140	--	11,000	330	78	--
739-03	9-30-1999	90	--	6,930	--	46	--
739-03-R	9-30-1999	86	--	7,100	150	46	--
739-03	1-10-2000	120	13	8,700	10	74	<1
739-03-R	1-10-2000	110	13	9,000	E8	73	<1
739-03	3-17-2000	70	--	5,100	<30	43	--
739-03	6-02-2000	180	--	11,000	150	129	--
136-02	9-30-1999	89	--	6,400	75	76	--
136-02	1-10-2000	130	13	9,100	E9	86	<1
136-02-R	1-10-2000	130	14	8,900	14	85	<1
136-02	3-17-2000	78	--	5,600	<10	53	--
136-02	6-02-2000	130	--	8,300	355	73	--
136-03	9-30-1999	100	--	9,800	102	81	--
136-03	1-10-2000	150	15	11,000	16	90	<1
136-03	3-17-2000	170	--	22,000	E6	120	--
136-03	6-02-2000	9,600 (9,600)	--	11,000	290	210	--
136-04	9-30-1999	110	--	9,500	21	74	--
136-04	1-10-2000	150	13	11,000	E6	110	<1
136-04	3-17-2000	54	--	5,300	<10	43	--
136-04	6-02-2000	180	--	10,000	30	110	--
136-05	9-30-1999	130	--	11,000	26	88	--
136-05	1-10-2000	150	12	18,000	E7	100	<1
136-05	3-17-2000	130	--	29,000	<10	110	--
136-05-R	3-17-2000	91	--	14,000	<10	74	--
136-05	6-02-2000	280	--	15,000	21	170	--
<b>Quality-control samples—Continued</b>							
Deionized water blanks							
USGS-MA Laboratory	7-12-1999	--	<1	--	<10	--	<1
USGS-MA Laboratory	2-08-2000	--	<1	--	<10	--	<1
Ambient-atmospheric blanks							
USGS-MA Laboratory	7-12-1999	--	<1	--	--	--	<1
USGS-MA Laboratory	2-08-2000	--	<1	--	--	--	<1
Equipment blanks							
USGS-MA Laboratory	9-28-1999	<1.2	--	<21	<10	<1	--
USGS-MA Laboratory	6-01-2000	--	--	--	--	--	--
Material blanks							
USGS-MA Laboratory	7-29-1998	--	<1	--	<1	--	<1
USGS-MA Laboratory	3-18-1999	--	--	--	--	--	--

**Table 1H.** Physical properties and event mean concentrations of major inorganic constituents, nutrients, trace metals, suspended sediments, fecal-indicator bacteria, and semi-volatile organic compounds for highway runoff event mean concentrations from sequential points within the drainage system of the Southeast Expressway near Boston, Massachusetts—*Continued*

Station identifier	Date	Manganese, total recoverable (µg/L as Mn)	Manganese, dissolved (µg/L as Mn)	Mercury, total recoverable (µg/L as Hg)	Molybdenum, dissolved (µg/L as Mo)	Nickel, total recoverable (µg/L as Ni)	Nickel, dissolved (µg/L as Ni)
<b>Environmental samples—Continued</b>							
739-02	9-30-1999	150	37	<0.1	--	12	--
739-02-R	9-30-1999	150	37	<.1	--	11	--
739-02	1-10-2000	170	24	<.3	2	14	2
739-02	3-17-2000	85	25	<.3	--	6	--
739-02	6-02-2000	230	79	<.3	--	17	--
739-03	9-30-1999	150	--	<.1	--	11	--
739-03-R	9-30-1999	150	35	<.1	--	13	--
739-03	1-10-2000	180	28	<.3	2	15	3
739-03-R	1-10-2000	190	29	<.3	2	16	2
739-03	3-17-2000	140	56	<.3	--	9	--
739-03	6-02-2000	260	74	<.3	--	19	--
136-02	9-30-1999	150	45	<.1	--	12	--
136-02	1-10-2000	190	35	<.3	2	17	3
136-02-R	1-10-2000	190	37	<.3	2	16	3
136-02	3-17-2000	110	27	<.3	--	9	--
136-02	6-02-2000	170	58	--	--	14	--
136-03	9-30-1999	220	35	<.1	--	15	--
136-03	1-10-2000	270	41	<.3	3	19	4
136-03	3-17-2000	510	30	<.3	--	22	--
136-03	6-02-2000	230	62	<.3	--	17	--
136-04	9-30-1999	220	56	<.1	--	17	--
136-04	1-10-2000	230	36	<.3	3	16	3
136-04	3-17-2000	110	29	<.3	--	9	--
136-04	6-02-2000	240	72	<.3	--	20	--
136-05	9-30-1999	230	39	<.1	--	18	--
136-05	1-10-2000	360	30	<.3	3	23	2
136-05	3-17-2000	930	20	<.3	--	22	--
136-05-R	3-17-2000	230	20	<.1	--	14	--
136-05	6-02-2000	310	59	--	--	24	--
<b>Quality-control samples—Continued</b>							
Deionized water blanks							
USGS-MA Laboratory	7-12-1999	--	<1	<1	<1	--	<1
USGS-MA Laboratory	2-08-2000	--	<1	<.2	<1	--	<1
Ambient-atmospheric blanks							
USGS-MA Laboratory	7-12-1999	--	<1	--	<1	--	<1
USGS-MA Laboratory	2-08-2000	--	<1	--	<1	--	<1
Equipment blanks							
USGS-MA Laboratory	9-28-1999	<2.8	<2.2	<1	--	--	--
USGS-MA Laboratory	6-01-2000	--	--	--	--	--	--
Material blanks							
USGS-MA Laboratory	7-29-1998	--	<1	--	<1	--	2
USGS-MA Laboratory	3-18-1999	--	--	--	--	--	--



**Table 1H.** Physical properties and event mean concentrations of major inorganic constituents, nutrients, trace metals, suspended sediments, fecal-indicator bacteria, and semi-volatile organic compounds for highway runoff event mean concentrations from sequential points within the drainage system of the Southeast Expressway near Boston, Massachusetts—*Continued*

Station identifier	Date	Selenium, total (µg/L as Se)	Selenium, dissolved (µg/L as Se)	Silver, dissolved (µg/L as Ag)	Zinc, total recoverable (µg/L as Zn)	Zinc, dissolved (µg/L as Zn)	Uranium, natural dissolved (µg/L as U)
<b>Environmental samples—Continued</b>							
739-02	9-30-1999	<3	--	--	310	--	--
739-02-R	9-30-1999	<3	--	--	310	--	--
739-02	1-10-2000	<3	<2	<1	490	25	<1
739-02	3-17-2000	<3	--	--	240	--	--
739-02	6-02-2000	<3	--	--	870	--	--
739-03	9-30-1999	<3	--	--	320	--	--
739-03-R	9-30-1999	<3	--	--	320	--	--
739-03	1-10-2000	<3	<2	<1	490	34	<1
739-03-R	1-10-2000	<3	<2	<1	480	33	<1
739-03	3-17-2000	<3	--	--	340	--	--
739-03	6-02-2000	<3	--	--	1,070	--	--
136-02	9-30-1999	<3	--	--	320	--	--
136-02	1-10-2000	<3	<2	<1	510	53	<1
136-02-R	1-10-2000	<3	<2	<1	510	51	<1
136-02	3-17-2000	<3	--	--	340	--	--
136-02	6-02-2000	<3	--	--	610	--	--
136-03	9-30-1999	<3	--	--	480	--	--
136-03	1-10-2000	<3	<2	<1	560	73	<1
136-03	3-17-2000	<3	--	--	890	--	--
136-03	6-02-2000	E1	--	--	1,100	--	--
136-04	9-30-1999	<3	--	--	470	--	--
136-04	1-10-2000	<3	<2	<1	590	31	<1
136-04	3-17-2000	<3	--	--	360	--	--
136-04	6-02-2000	E1	--	--	1,580	--	--
136-05	9-30-1999	<3	--	--	530	--	--
136-05	1-10-2000	<3	<2	<1	660	30	<1
136-05	3-17-2000	<3	--	--	850	--	--
136-05-R	3-17-2000	<3	--	--	620	--	--
136-05	6-02-2000	E2	--	--	2,200	--	--
<b>Quality-control samples—Continued</b>							
Deionized water blanks							
USGS-MA Laboratory	7-12-1999	--	<1	<1	--	<1	<1
USGS-MA Laboratory	2-08-2000	--	<2	<1	--	<1	<1
Ambient-atmospheric blanks							
USGS-MA Laboratory	7-12-1999	--	<1	<1	--	<1	<1
USGS-MA Laboratory	2-08-2000	--	<2	<1	--	<1	<1
Equipment blanks							
USGS-MA Laboratory	9-28-1999	<3	--	--	<31	--	--
USGS-MA Laboratory	6-01-2000	--	--	--	--	--	--
Material blanks							
USGS-MA Laboratory	7-29-1998	--	<1	<1	--	<1	<1
USGS-MA Laboratory	3-18-1999	--	--	--	--	--	--

**Table 1H.** Physical properties and event mean concentrations of major inorganic constituents, nutrients, trace metals, suspended sediments, fecal-indicator bacteria, and semi-volatile organic compounds for highway runoff event mean concentrations from sequential points within the drainage system of the Southeast Expressway near Boston, Massachusetts—*Continued*

Station identifier	Date	Carbon, organic suspended (mg/L as C)	Carbon, organic dissolved (mg/L as C)	Cyanide, total (mg/L as Cn)	Oil and grease, total recoverable gravimetric (mg/L)	1,2,5,6-Dibenzanthracene, total (ug/L)	Acenaphthylene, total (ug/L)
<b>Environmental samples—Continued</b>							
739-02	9-30-1999	3.1	9.7	--	7	<3.4	E0.1
739-02-R	9-30-1999	3.2	8.7	--	7	<3.4	E.1
739-02	1-10-2000	4.8	4.6	--	--	E.2	E.1
739-02	3-17-2000	>4.3	15	--	5	<3.4	<1.9
739-02	6-02-2000	>6.3	13	--	10	E.3	E.1
739-03	9-30-1999	1.3	8.7	--	6	<3.4	E.2
739-03-R	9-30-1999	3.4	10	--	--	--	--
739-03	1-10-2000	>4.9	5.2	<0.01	11	E.2	E.1
739-03-R	1-10-2000		5.3	--	9	E.2	E.1
739-03	3-17-2000	4.1	11	--	6	<3.4	<1.9
739-03	6-02-2000	>9.8	14	--	11	E.6	E.1
136-02	9-30-1999	3.8	--	--	8	<3.4	E.1
136-02	1-10-2000	>5	6.0	--	11	E.3	E.1
136-02-R	1-10-2000	--	--	--		E.2	E.1
136-02	3-17-2000	>6	4.4	--	5	<3.4	<1.9
136-02	6-02-2000	>8.5	11	--	--	--	--
136-03	9-30-1999	4.3	11	--	8.	<3.4	E.2
136-03	1-10-2000	4.2	6.0	<.01	12	E.3	E.1
136-03	3-17-2000	>5.1	5.0	--	7	<3.4	<1.9
136-03	6-02-2000	>6	14	--	--	E.5	E.1
136-04	9-30-1999	3.4	16	--	12	<3.4	E.2
136-04	1-10-2000	3.3	6.9	--	17	E.2	E.1
136-04	3-17-2000	3.4	4.1	--	4	<3.4	<1.9
136-04	6-02-2000	>5.2	18	--	--	--	--
136-05	9-30-1999	1.4	13	--	--	<3.4	E.2
136-05	1-10-2000	>5.1	6.6	--	18	E.2	E.1
136-05	3-17-2000	>4.3	3.0	--	8	--	--
136-05-R	3-17-2000	>6.3	3.0	--	7	<3.4	<1.9
136-05	6-02-2000	>5.5	14	--	--	--	--
<b>Quality-control samples—Continued</b>							
Deionized water blanks							
USGS-MA Laboratory	7-12-1999	--	<1	--	--	<10	<5
USGS-MA Laboratory	2-08-2000	--	<.3	--	--	<3.4	<1.9
Ambient-atmospheric blanks							
USGS-MA Laboratory	7-12-1999	--	.3	--	--	--	--
USGS-MA Laboratory	2-08-2000	--	<.3	--	--	--	--
Equipment blanks							
USGS-MA Laboratory	9-28-1999	--	E.2	--	<1	<3.4	<1.9
USGS-MA Laboratory	6-01-2000	--	<.3	--	--	--	--
Material blanks							
USGS-MA Laboratory	7-29-1998	--	--	--	--	--	--
USGS-MA Laboratory	3-18-1999	--	--	--	--	<10	<.5

**Table 1H.** Physical properties and event mean concentrations of major inorganic constituents, nutrients, trace metals, suspended sediments, fecal-indicator bacteria, and semi-volatile organic compounds for highway runoff event mean concentrations from sequential points within the drainage system of the Southeast Expressway near Boston, Massachusetts—*Continued*

Station identifier	Date	Acenph- thene, total (ug/L)	Anthra- cene, total (ug/L)	Aroclor 1221, pcb total (ug/L)	Aroclor 1232, pcb total (ug/L)	Aroclor 1248, pcb total (ug/L)	Aroclor 1254, pcb total (ug/L)
<b>Environmental samples—Continued</b>							
739-02	9-30-1999	E0.05	E0.1	<0.1	<0.1	<0.1	<0.1
739-02-R	9-30-1999	E.1	E.1	<.1	<.1	<.1	<.1
739-02	1-10-2000	E.1	E0.2	<.2	<.2	<.2	E.04
739-02	3-17-2000	<1.9	E.1	<.1	<.1	<.1	<.1
739-02	6-02-2000	E.1	E.2	<.1	<.1	<.1	<.1
739-03	9-30-1999	E.1	E.2	<.1	<.1	<.1	<.1
739-03-R	9-30-1999	--	--	--	--	--	--
739-03	1-10-2000	E.1	E.2	<.2	<.2	<.2	E.03
739-03-R	1-10-2000	E.1	E.2	<.2	<.2	<.2	E.03
739-03	3-17-2000	E.04	E.1	<.1	<.1	<.1	<.1
739-03	6-02-2000	E.2	E.3	<.1	<.1	<.1	<.1
136-02	9-30-1999	E.1	E.2	--	--	--	--
136-02	1-10-2000	E.1	E.3	<.2	<.2	<.2	E.05
136-02-R	1-10-2000	E.1	E.2	<.2	<.2	<.2	E.05
136-02	3-17-2000	E.04	E.1	<.1	<.1	<.1	<.1
136-02	6-02-2000	--	--	--	--	--	--
136-03	9-30-1999	<1.9	E.1	<.1	<.1	<.1	<.1
136-03	1-10-2000	E.1	E.3	<.2	<.2	<.2	E.05
136-03	3-17-2000	E.1	E.1	<.1	<.1	<.1	<.1
136-03	6-02-2000	E.1	E.2	--	--	--	--
136-04	9-30-1999	E.1	E.2	<.1	<.1	<.1	<.1
136-04	1-10-2000	E.2	E.3	<.2	<.2	<.2	E.05
136-04	3-17-2000	<1.9	E.1	<.1	<.1	<.1	<.1
136-04	6-02-2000	--	--	--	--	--	--
136-05	9-30-1999	E.1	E.3	<.1	<.1	<.1	<.1
136-05	1-10-2000	E.1	E.3	<.2	<.2	<.2	E.06
136-05	3-17-2000	--	--	<.1	<.1	<.1	<.1
136-05-R	3-17-2000	E.1	E.3	<.1	<.1	<.1	<.1
136-05	6-02-2000	--	--	--	--	--	--
<b>Quality-control samples—Continued</b>							
Deionized water blanks							
USGS-MA Laboratory	7-12-1999	<5	<5	<.1	<.1	<.1	<.1
USGS-MA Laboratory	2-08-2000	<1.9	<2	<.1	<.1	--	<.1
Ambient-atmospheric blanks							
USGS-MA Laboratory	7-12-1999	--	--	--	--	--	--
USGS-MA Laboratory	2-08-2000	--	--	--	--	--	--
Equipment blanks							
USGS-MA Laboratory	9-28-1999	<1.9	<2	<.1	<.1	<.1	<.1
USGS-MA Laboratory	6-01-2000	--	--	--	--	--	--
Material blanks							
USGS-MA Laboratory	7-29-1998	--	--	--	--	--	--
USGS-MA Laboratory	3-18-1999	<.5	<.5	<.1	<.1	<.1	<.1

**Table 1H.** Physical properties and event mean concentrations of major inorganic constituents, nutrients, trace metals, suspended sediments, fecal-indicator bacteria, and semi-volatile organic compounds for highway runoff event mean concentrations from sequential points within the drainage system of the Southeast Expressway near Boston, Massachusetts—*Continued*

Station identifier	Date	Aroclor 1260, pcb total (ug/L)	Aroclor 1016/1242, pcb total (ug/L)	Benzo-a-pyrene, total (ug/L)	Benzo B fluoranthene, total (ug/L)	Benzo K fluoranthene, total (ug/L)	Benzo-[Ghi]-perylene, total (ug/L)
<b>Environmental samples—Continued</b>							
739-02	9-30-1999	<0.1	--	E0.4	E0.7	E0.2	E0.4
739-02-R	9-30-1999	<.1	--	E.4	E.6	E.2	E.3
739-02	1-10-2000	E.03	E.03	E.8	E1.1	E.8	E.9
739-02	3-17-2000	<.1	<.1	E.3	E.5	E.3	E.2
739-02	6-02-2000	<.1	<.1	E1.1	E1.4	E1.2	E.9
739-03	9-30-1999	<.1	--	E.5	E.7	E.3	E.3
739-03-R	9-30-1999	--	--	--	--	--	--
739-03	1-10-2000	E.03	E.03	E.6	E.8	E.5	E.9
739-03-R	1-10-2000	E.03	E.03	E.7	E.9	E.6	E1.0
739-03	3-17-2000	<.1	<.1	E.3	E.5	E.4	E.3
739-03	6-02-2000	<.1	<.1	E1.6	E1.9	E1.8	E1.5
136-02	9-30-1999	--	--	E.5	E.8	E.2	E.4
136-02	1-10-2000	E.03	E.04	E1.0	E1.1	E.8	E1.5
136-02-R	1-10-2000	E.04	E.04	E.7	E.9	E.7	E1.4
136-02	3-17-2000	<.1	<.1	E.4	E.7	E.5	E.3
136-02	6-02-2000	--	--	--	--	--	--
136-03	9-30-1999	<.1	--	E.3	E.6	E.3	E.3
136-03	1-10-2000	E.04	E.05	E.9	E1.1	E.8	E1.0
136-03	3-17-2000	<.1	<.1	E.5	E.8	E.5	E.4
136-03	6-02-2000	--	--	E1.3	E2.0	E1.4	E1.1
136-04	9-30-1999	<.1	--	E.6	E1.0	E.4	E.7
136-04	1-10-2000	E.06	E.03	E.8	E1.3	E.9	E.9
136-04	3-17-2000	<.1	<.1	E.3	E.5	E.3	E.2
136-04	6-02-2000	--	--	--	--	--	--
136-05	9-30-1999	<.1	--	E.8	E1.2	E.5	E.8
136-05	1-10-2000	E.07	E.03	E1.0	E1.5	E1.0	E1.0
136-05	3-17-2000	<.1	<.1	--	--	--	--
136-05-R	3-17-2000	<.1	<.1	E.9	E1.2	E1.0	E.5
136-05	6-02-2000	--	--	--	--	--	--
<b>Quality-control samples—Continued</b>							
Deionized water blanks							
USGS-MA Laboratory	7-12-1999	<.1	<.1	<10	<10	<10	<10
USGS-MA Laboratory	2-08-2000	<.1	<.1	<2.8	<3.0	<3.2	99
Ambient-atmospheric blanks							
USGS-MA Laboratory	7-12-1999	--	--	--	--	--	--
USGS-MA Laboratory	2-08-2000	--	--	--	--	--	--
Equipment blanks							
USGS-MA Laboratory	9-28-1999	<.1	<.1	<2.8	<3.0	<3.0	<3.1
USGS-MA Laboratory	6-01-2000	--	--	--	--	--	--
Material blanks							
USGS-MA Laboratory	7-29-1998	--	--	--	--	--	--
USGS-MA Laboratory	3-18-1999	<.1	<.1	<10	<10	<10	<10

**Table 1H.** Physical properties and event mean concentrations of major inorganic constituents, nutrients, trace metals, suspended sediments, fecal-indicator bacteria, and semi-volatile organic compounds for highway runoff event mean concentrations from sequential points within the drainage system of the Southeast Expressway near Boston, Massachusetts—*Continued*

Station identifier	Date	Chrysene, total (ug/L)	Fluoranthene, total (ug/L)	Fluorene, total (ug/L)	Petroleum hydrocarbons, total (mg/L)	Indeno (1,2,3 CD) pyrene, total (ug/L)	Phenanthrene, total (ug/L)
<b>Environmental samples—Continued</b>							
739-02	9-30-1999	E0.6	E0.9	E0.1	<0.1	E0.3	E0.4
739-02-R	9-30-1999	E.7	E.9	E.1	<.1	E.2	E.4
739-02	1-10-2000	E1.2	E1.8	E.2	7	E.8	E.8
739-02	3-17-2000	E.5	E.8	E.1	2.1	E.3	E.3
739-02	6-02-2000	E1.7	2.5	E.1	5.9	E1.1	E1.2
739-03	9-30-1999	E.6	E1.1	E.2	<.1	E.3	E.5
739-03-R	9-30-1999	--	--	--	--	--	--
739-03	1-10-2000	E1.0	E1.5	E.1	5	E.7	E.7
739-03-R	1-10-2000	E1.1	E1.6	E.1	6	E.7	E.7
739-03	3-17-2000	E.6	E1.0	E.1	2.7	E.3	E.3
739-03	6-02-2000	E2.4	3.6	E.2	4.7	E1.8	E1.8
136-02	9-30-1999	E.8	E1.2	E.1	--	E.4	E.5
136-02	1-10-2000	E1.6	E2.2	E.1	7	E1.1	E.9
136-02-R	1-10-2000	E1.2	E1.6	E.1	--	E.9	E.6
136-02	3-17-2000	E.7	E1.4	E.1	3.6	E.4	E.5
136-02	6-02-2000	--	--	--	4.8	--	--
136-03	9-30-1999	E.5	E.9	E.1	<.1	E.3	E.4
136-03	1-10-2000	E1.5	E2.0	E.2	6	E.9	E1.3
136-03	3-17-2000	E.9	E1.6	E.1	4.1	E.4	E.5
136-03	6-02-2000	E2.0	2.4	E.1	5.9	E1.4	E1.0
136-04	9-30-1999	E1.2	E1.5	E.1	<.1	E.4	E.8
136-04	1-10-2000	E1.6	E2.3	E.5	10	E.8	E1.3
136-04	3-17-2000	E.5	E.9	E.1	3.3	E.3	E.3
136-04	6-02-2000	--	--	--	8.9	--	--
136-05	9-30-1999	E1.3	E1.9	E.18	<.1	E.6	E1.1
136-05	1-10-2000	E1.8	2.7	E.3	10	E.9	E1.3
136-05	3-17-2000	--	--	--	3.0	--	--
136-05-R	3-17-2000	E1.4	2.9	.2	2.9	E.7	E1.7
136-05	6-02-2000	--	--	--	9.8	--	--
<b>Quality-control samples—Continued</b>							
Deionized water blanks							
USGS-MA Laboratory	7-12-1999	<10	<5	<5	--	<10	<5
USGS-MA Laboratory	2-08-2000	<2.7	<2.33	<2.04	<.1	<3	<2.1
Ambient-atmospheric blanks							
USGS-MA Laboratory	7-12-1999	--	--	--	--	--	--
USGS-MA Laboratory	2-08-2000	--	--	--	--	--	--
Equipment blanks							
USGS-MA Laboratory	9-28-1999	<2.7	<2.33	<2.04	<.1	<3	<2.1
USGS-MA Laboratory	6-01-2000	--	--	--	--	--	--
Material blanks							
USGS-MA Laboratory	7-29-1998	--	--	--	--	--	--
USGS-MA Laboratory	3-18-1999	<10	<.5	<.5	--	<10	<.5

**Table 1H.** Physical properties and event mean concentrations of major inorganic constituents, nutrients, trace metals, suspended sediments, fecal-indicator bacteria, and semi-volatile organic compounds for highway runoff event mean concentrations from sequential points within the drainage system of the Southeast Expressway near Boston, Massachusetts—*Continued*

Station identifier	Date	Pyrene, total (ug/L)	Naphthalene, total (ug/L)	Suspended sediment (mg/L)	Suspended sediment, <.062 mm (mg/L)	Suspended sediment, 0.062 to 0.250 mm (mg/L)	Suspended sediment, > 0.250 mm (mg/L)
<b>Environmental samples—Continued</b>							
739-02	9-30-1999	E0.9	E0.1	174	171	2	1
739-02-R	9-30-1999	E.8	E.1	183	180	2	1
739-02	1-10-2000	E1.6	E.2	219	213	4	2
739-02	3-17-2000	E.7	<2.1	92	87	3	1
739-02	6-02-2000	2.3	E.1	340	305	25	10
739-03	9-30-1999	E1.0	E.2	193	169	4	19
739-03-R	9-30-1999	--	--	--	--	--	--
739-03	1-10-2000	E1.3	E.2	261	205	10	46
739-03-R	1-10-2000	E1.4	E.2	714	212	12	490
739-03	3-17-2000	E.8	<2.1	192	116	7	68
739-03	6-02-2000	3.1	E.2	912	369	110	433
136-02	9-30-1999	E1.1	E.1	175	166	9	4
136-02	1-10-2000	E2.0	E.2	251	244	5	2
136-02-R	1-10-2000	E1.5	E.1	247	241	4	2
136-02	3-17-2000	E1.1	<2.1	137	122	12	4
136-02	6-02-2000	--	--	257	227	22	8
136-03	9-30-1999	E.8	E.1	417	185	19	212
136-03	1-10-2000	E1.9	E.2	536	243	13	280
136-03	3-17-2000	E1.2	<2.1	714	141	14	558
136-03	6-02-2000	E2.2	E.04	799	280	104	415
136-04	9-30-1999	E1.4	E.2	281	266	8	7
136-04	1-10-2000	E2.2	E.2	327	294	14	19
136-04	3-17-2000	E.7	<2.1	121	104	6	11
136-04	6-02-2000	--	--	434	383	38	13
136-05	9-30-1999	E1.8	E.2	361	306	18	37
136-05	1-10-2000	2.5	E.2	482	312	54	116
136-05	3-17-2000	--	--	3,920	158	335	3,430
136-05-R	3-17-2000	E2.2	<2.1	3,100	140	261	2,700
136-05	6-02-2000	--	--	649	525	73	51
<b>Quality-control samples—Continued</b>							
Deionized water blanks							
USGS-MA Laboratory	7-12-1999	<5	<5	--	--	--	--
USGS-MA Laboratory	2-08-2000	<2.2	<.3	--	--	--	--
Ambient-atmospheric blanks							
USGS-MA Laboratory	7-12-1999	--	--	--	--	--	--
USGS-MA Laboratory	2-08-2000	--	--	--	--	--	--
Equipment blanks							
USGS-MA Laboratory	9-28-1999	<2.2	<2.1	--	--	--	--
USGS-MA Laboratory	6-01-2000	--	--	--	--	--	--
Material blanks							
USGS-MA Laboratory	7-29-1998	--	--	--	--	--	--
USGS-MA Laboratory	3-18-1999	<.5	<.5	--	--	--	--

**Table 17.** Physical properties and concentrations of fecal-indicator bacteria collected from the inlet and the sump of the 1,500-gallon off-line oil-grit separators located along the Southeast Expressway, Boston, Massachusetts

[°C, Degrees Celsius; ntu, nephelometric turbidity units; -R, replicate sample; µS/cm, microsiemen per centimeter; col/100 mL, colony per 100 milliliters; nd, not detected; --, no data]

Station identifier	Date	Time	Coliform, fecal (cols/100 mL)	Coliform, enterococci (cols./100 mL)	Turbidity, field (ntu)	Specific conductance, field (µS/cm at 25° C)
136-03	9-30-1999	1110	5,800	14,000	125	141
136-03	9-30-1999	1200	4,200	8,000	110	101
136-03	9-30-1999	1230	2,100	10,000	95	89
136-03	9-30-1999	1300	3,200	8,000	60	114
136-03	1-10-2000	1549	860	25,000	240	603
136-03	1-10-2000	1619	1,170	23,000	310	283
136-03	1-10-2000	1659	420	6,200	165	619
136-03	1-10-2000	1732	60	6,100	140	401
136-03	1-10-2000	1755	297	3,600	90	306
136-03	3-16-2000	2333	50	1,300	290	3,410
136-03	3-17-2000	0055	50	370	150	969
136-03	3-17-2000	0250	10	80	65	383
136-03	3-17-2000	0450	70	350	85	414
136-03	6-02-2000	1845	nd	2,600	130	320
739-03	9-30-1999	1040	2,900	6,500	160	277
739-03	9-30-1999	1107	3,900	8,600	170	179
739-03	9-30-1999	1155	3,100	12,000	140	130
739-03-R	9-30-1999	1156	3,700	9,100	140	130
739-03	9-30-1999	1225	6,900	4,100	120	97
739-03	12-15-1999	0300	2,600	6,800	170	309
739-03	12-15-1999	0445	6,800	5,400	150	191
739-03	12-15-1999	0535	4,400	7,400	160	139
739-03	1-10-2000	1559	1,060	8,000	350	1,910
739-03	1-10-2000	1633	825	6,300	280	1,210
739-03	1-10-2000	1715	240	2,800	150	597
739-03	1-10-2000	1749	310	1,800	100	369
739-03	1-10-2000	1825	120	3,500	65	316
739-03	3-16-2000	2323	20	410	320	2,950
739-03	3-17-2000	0132	10	280	150	932
739-03	3-17-2000	0146	nd	280	65	408
739-03	3-17-2000	0207	70	350	75	650
739-03	3-17-2000	0231	20	1,100	100	12,300
739-03	6-02-2000	1744	nd	1,100	290	507
739-03	6-02-2000	1751	nd	1,100	220	356
739-03-R	6-02-2000	1752	nd	1,200	220	356
739-03	6-02-2000	1910	628	3,500	80	327
136-01	3-17-2000	1500	nd	170	--	694
739-01	3-17-2000	1535	nd	60	--	860

**Table 17.** Physical properties and concentrations of fecal-indicator bacteria collected from the inlet and the sump of the 1"500-gallon off-line oil-grit separators located along the Southeast Expressway, Boston, Massachusetts—*Continued*

<b>Station identifier</b>	<b>Date</b>	<b>Time</b>	<b>Coliform, fecal (cols/100 mL)</b>	<b>Coliform, enterococci (cols./100 mL)</b>	<b>Turbidity, field (ntu)</b>	<b>Specific conductance, field (uS/cm at 25°C)</b>
Quality assurance						
Processing blank	9-30-1999	1100	nd	1	--	--
Processing blank	12-15-1999	1100	nd	nd	--	--
Processing blank	1-10-2000	1830	nd	nd	--	--
Deionized water	3-17-2000	1420	nd	nd	--	--
136-03 equip.	3-17-2000	1100	nd	nd	--	--
739-03 equip.	3-17-2000	1100	nd	nd	--	--
Processing blank	6-02-2000	0045	nd	nd	--	--