

22 Selected Natural Attenuation Monitoring, Naval Undersea Warfare Center, Division Keyport, Washington, June 2005

Table 3. Concentrations of selected volatile organic compounds in ground-water samples from monitoring wells, piezometers, and diffusion samplers, and in surface-water samples from the marsh stream collected by the USGS from 1999 to 2005 at Operable Unit 1, Naval Undersea Warfare Center, Division Keyport, Washington.

[All data except those shaded were published previously in Dinicola and others (2002), Dinicola (2003), Dinicola (2004), and Dinicola and Huffman (2004). Reported concentrations less than the detection limit are estimated. Laboratory data qualifier codes, such as "D" for dilution, are not shown. **Volatile organic compounds (VOCs):** PCE, tetrachloroethene; TCE, trichloroethene; *cis*-DCE, *cis*-1,2-dichloroethene; *trans*-DCE, *trans*-1,2-dichloroethene; VC, vinyl chloride; 1,1,1-TCA, 1,1,1-trichloroethane; 1,1-DCA, 1,1-dichloroethane; CA, chloroethane; 1,1-DCE, 1,1-dichloroethene; total BTEX, sum of benzene, toluene, ethylbenzene, and xylene; total CVOCs, sum of chlorinated volatile organic compounds. Methane data are presented for diffusion samplers only. **Abbreviations:** E, estimated value; µg/L, microgram per liter; dup, duplicate; blank, field blank; <, actual value is less than value shown; nd, not detected; –, not analyzed]

Study site No.	Date sampled	PCE (µg/L)	TCE (µg/L)	<i>cis</i> -DCE (µg/L)	<i>trans</i> -DCE (µg/L)	VC (µg/L)	Ethane (µg/L)	Ethene (µg/L)
Upgradient								
MW1-3	06-15-04	–	–	–	–	–	<5.0	<5.0
MW1-20	06-12-02	<0.20	<0.20	<0.20	<0.20	<0.20	–	–
	06-15-04	–	–	–	–	–	<5.0	<5.0
MW1-33	06-15-04	–	–	–	–	–	<5.0	<5.0
Northern plantation								
1MW-1	06-16-04	<20	<20	130	130	730	10	50
MW1-2	06-17-04	<50	12	630	13	110	5.9	1.1
MW1-15	06-15-04	<1.0	<1.0	.32	<1.0	.26	<5.0	<5.0
MW1-17	06-17-04	<1.0	<1.0	.68	.23	.48	2.4	<5.0
MW1-18	06-16-04	<1.0	<1.0	<1.0	<1.0	<1.0	19	18
MW1-41	06-17-04	<1.0	<1.0	.27	<1.0	.23	10	<100
P1-1	06-09-99	<2	11	6.1	<1	<4	–	–
	06-11-02	<.2	<.20	.16	.11	<.2	–	–
	06-18-03	<1.0	<1.0	.28	<1.0	<1.0	–	–
	06-17-04	<1.0	<1.0	<1.0	<1.0	<1.0	29	8.6
	06-22-05	<1.0	<1.0	E.16	<1.0	<1.0	<100	<100
P1-3	06-09-99	<16	35	450	20	120	–	–
	06-11-02	<.2	<.20	53	4.3	72	–	–
	06-18-03	<2.0	<2.0	58	4.5	79	–	–
	06-17-04	<1.0	<1.0	15	2.4	41	33	27
	06-22-05	<1.0	<1.0	11	1.3	35	44	30
P1-4	06-09-99	<130	160	4,800	56	540	–	–
	06-13-01	<20	<20	4,900	46	650	–	–
	06-11-02	<.2	1.2	3,600	41	640	–	–
	06-18-03	<100	<100	3,200	42	440	–	–
	06-17-04	<130	<130	2,300	29	370	7.1	29
	06-21-05	<67	<67	2,100	E30	360	E7	E20
P1-5	06-08-99	<13	440	400	3.5	11	–	–
	06-10-02	<.20	<.20	.28	.78	.4	–	–
	06-18-03	<25	<25	7.8	<25	<25	–	–
	06-17-04	<10	<10	<10	<10	<10	23	<10
	06-21-05	<10	<10	<10	<10	<10	E23	<100
Southern plantation								
MW1-4	06-18-04	<1,000	32,000	15,000	<1,000	1,600	32	200
MW1-5	06-18-04	<1.0	.26	.29	<1.0	.74	6.7	<50
MW1-6	06-22-04	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<100
MW1-16	06-22-04	<10	<10	2.3	4.2	2.2	38	38
P1-6	06-08-99	<400	74	16,000	170	5,400	–	–
	06-14-01	<20	370	16,000	220	9,900	–	–
	06-13-02	<20	<20	3,700	170	5,100	–	–
	06-18-03	<50	470	1,100	39	1,300	–	–
	06-18-04	<20	<20	220	11	570	7.0	210
	06-22-05	<130	<130	4,200	E90	2,900	E30	590

Table 3. Concentrations of selected volatile organic compounds in ground-water samples from monitoring wells, piezometers, and diffusion samplers, and in surface-water samples from the marsh stream collected by the USGS from 1999 to 2005 at Operable Unit 1, Naval Undersea Warfare Center, Division Keyport, Washington.—Continued.

[All data except those shaded were published previously in Dinicola and others (2002), Dinicola (2003), Dinicola (2004), and Dinicola and Huffman (2004). Reported concentrations less than the detection limit are estimated. Laboratory data qualifier codes, such as “D” for dilution, are not shown. **Volatile organic compounds (VOCs):** PCE, tetrachloroethene; TCE, trichloroethene; *cis*-DCE, *cis*-1,2-dichloroethene; *trans*-DCE, *trans*-1,2-dichloroethene; VC, vinyl chloride; 1,1,1-TCA, 1,1,1-trichloroethane; 1,1-DCA, 1,1-dichloroethane; CA, chloroethane; 1,1-DCE, 1,1-dichloroethene; total BTEX, sum of benzene, toluene, ethylbenzene, and xylene; total CVOCs, sum of chlorinated volatile organic compounds. Methane data are presented for diffusion samplers only. **Abbreviations:** E, estimated value; µg/L, microgram per liter; dup, duplicate; blank, field blank; <, actual value is less than value shown; nd, not detected; –, not analyzed]

Study site No.	Date sampled	1,1,1-TCA (µg/L)	1,1-DCA (µg/L)	CA (µg/L)	1,1-DCE (µg/L)	Total BTEX (µg/L)	Total CVOCs (µg/L)
Upgradient							
MW1-3	06-15-04	–	–	–	–	–	–
MW1-20	06-12-02	<0.20	<0.20	<0.20	<0.20	nd	nd
	06-15-04	–	–	–	–	–	–
MW1-33	06-15-04	–	–	–	–	–	–
Northern plantation							
1MW-1	06-16-04	<20	11	<40	<20	nd	1,000
MW1-2	06-17-04	<50	<50	<100	<50	nd	770
MW1-15	06-15-04	<1.0	<1.0	.88	<1.0	30	1.5
MW1-17	06-17-04	<1.0	<1.0	<2.0	<1.0	.31	1.4
MW1-18	06-16-04	<1.0	<1.0	<2.0	<1.0	nd	nd
MW1-41	06-17-04	<1.0	<1.0	1.7	<1.0	nd	2.2
P1-1	06-09-99	<2	.24	<4	<2	19	17
	06-11-02	<.20	.46	<.2	<.20	6.8	.73
	06-18-03	<1.0	.26	<2.0	<1.0	3.9	.54
	06-17-04	<1.0	<1.0	<2.0	<1.0	4.4	nd
	06-22-05	<1.0	<1.0	E.19	<1.0	3.5	.35
P1-3	06-09-99	<16	<16	3.6	<16	nd	630
	06-11-02	<.20	.60	9.9	.20	3.3	140
	06-18-03	<2.0	.56	5.2	<2.0	1.7	150
	06-17-04	<1.0	.38	6.9	<1.0	2.4	66
	06-22-05	<1.0	.31	2.6	<1.0	2.3	65
P1-4	06-09-99	<130	<130	<270	<130	nd	5,600
	06-13-01	<20	<20	<20	<20	nd	5,600
	06-11-02	<.20	<10	.8	9.9	1.1	4,300
	06-18-03	<100	<100	<200	<100	nd	3,700
	06-17-04	<130	<130	<270	<130	nd	2,700
	06-21-05	<67	<67	<130	<67	nd	2,500
P1-5	06-08-99	<13	<13	15	<13	47	870
	06-10-02	<.20	.27	20.9	<.20	18	23
	06-18-03	<25	<25	19	<25	nd	27
	06-17-04	<10	<10	23	<10	4.5	23
	06-21-05	<10	<10	21	<10	8.2	33
Southern plantation							
MW1-4	06-18-04	<1,000	<1,000	<2,000	<1,000	nd	49,000
MW1-5	06-18-04	<1.0	.36	3	<1.0	0.92	4.6
MW1-6	06-22-04	<1.0	<1.0	1.7	<1.0	1.9	1.7
MW1-16	06-22-04	<10	590	290	<10	370	900
P1-6	06-08-99	<400	1,500	300	<400	nd	23,000
	06-14-01	<20	4,800	610	11	88	32,000
	06-13-02	<20	4,300	1,400	<20	63	15,000
	06-18-03	<50	380	270	<50	nd	3,600
	06-18-04	<20	200	88	<20	nd	1,100
	06-22-05	<130	<130	400	<130	nd	7,600

24 Selected Natural Attenuation Monitoring, Naval Undersea Warfare Center, Division Keyport, Washington, June 2005

Table 3. Concentrations of selected volatile organic compounds in ground-water samples from monitoring wells, piezometers, and diffusion samplers, and in surface-water samples from the marsh stream collected by the USGS from 1999 to 2005 at Operable Unit 1, Naval Undersea Warfare Center, Division Keyport, Washington—Continued.

[All data except those shaded were published previously in Dinicola and others (2002), Dinicola (2003), Dinicola (2004), and Dinicola and Huffman (2004). Reported concentrations less than the detection limit are estimated. Laboratory data qualifier codes, such as “D” for dilution, are not shown. **Volatile organic compounds (VOCs)**; PCE, tetrachloroethene; TCE, trichloroethene; *cis*-DCE, *cis*-1,2-dichloroethene; *trans*-DCE, *trans*-1,2-dichloroethene; VC, vinyl chloride; 1,1,1-TCA, 1,1,1-trichloroethane; 1,1-DCA, 1,1-dichloroethane; CA, chloroethane; 1,1-DCE, 1,1-dichloroethene; total BTEX, sum of benzene, toluene, ethylbenzene, and xylene; total CVOCs, sum of chlorinated volatile organic compounds. Methane data are presented for diffusion samplers only. **Abbreviations:** E, estimated value; µg/L, microgram per liter; dup, duplicate; blank, field blank; <, actual value is less than value shown; nd, not detected; –, not analyzed]

Study site No.	Date sampled	PCE (µg/L)	TCE (µg/L)	<i>cis</i> -DCE (µg/L)	<i>trans</i> -DCE (µg/L)	VC (µg/L)	Ethane (µg/L)	Ethene (µg/L)
Southern plantation—Continued								
P1-7	06-08-99	<670	26,000	35,000	210	3,100	–	–
	06-22-00	3.60	27,000	44,000	220	3,800	–	–
	06-14-01	<20	26,000	37,000	190	4,000	–	–
	06-14-02	<20	37,000	62,000	400	5,700	–	–
	06-20-03	<2,000	28,000	35,000	<2,000	2,800	–	–
	06-18-04	<3,300	37,000	61,000	<3,300	5,100	36	520
	06-22-05	<2,000	28,000	59,000	E330	5,000	E45	480
P1-8	06-07-99	<710	190	25,000	210	3,400	–	–
	06-14-01	<20	810	8,600	62	4,200	–	–
	06-13-02	<20	<20	24,000	190	7,700	–	–
	06-20-03	<10	230	31	<10	7.2	–	–
	06-18-04	<1.0	.26	2.7	<1.0	23	<50	4.2
		06-23-05	<1.0	<1.0	7	<1.0	21	<50
P1-9	06-08-99	<2,000	48,000	88,000	470	7,200	–	–
	06-22-00	5.00	88,000	64,000	320	5,800	–	–
	06-14-01	<40	29,000	7,300	32	450	–	–
	06-13-02	<20	90,000	79,000	590	7,900	–	–
	06-20-03	<1,000	60,000	27,000	<1,000	1,800	–	–
	06-18-04	<1,300	50,000	23,000	<1,300	2,100	16	200
		06-23-05	<20	230	700	E3.2	97	<5
P1-10	06-07-99	<1,000	14,000	34,000	270	2,500	–	–
	06-22-00	1.00	8,700	13,000	100	2,300	–	–
	06-13-01	<20	6,600	12,000	68	1,900	–	–
	06-12-02	<20	4,600	7,000	55	2,000	–	–
	06-19-03	<400	2,300	9,400	<400	1,100	–	–
	06-18-04	<200	1,600	3,900	<200	890	12	46
		06-23-05	<100	1,100	3,000	E29	700	E3
Intermediate aquifer								
1MW-4	06-17-04	<1.0	<1.0	<1.0	<1.0	<1.0	5.3	<50
MW1-25	06-14-02	<20	280	1,800	31	280	–	–
	06-19-03	<67	14	1,800	34	210	–	–
	06-06-04	–	–	–	–	–	4.7	15
		06-21-05	<67	<67	1,700	E30	220	E6
MW1-28	06-14-02	<20	69	1,600	72	700	–	–
	06-19-03	<50	<50	1,200	68	470	–	–
	06-16-04	–	–	–	–	–	3.8	26
		06-21-05	<67	<67	1,550	84	650	E4
MW1-38	06-12-02	<.20	<.20	<.20	<.20	<.20	–	–
	06-16-04	–	–	–	–	–	<5.0	<5.0
		06-21-05	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0
MW1-39	06-19-03	<1.0	<1.0	.56	<1.0	1.3	–	–
	06-16-04	–	–	–	–	–	<5.0	<5.0

Table 3. Concentrations of selected volatile organic compounds in ground-water samples from monitoring wells, piezometers, and diffusion samplers, and in surface-water samples from the marsh stream collected by the USGS from 1999 to 2005 at Operable Unit 1, Naval Undersea Warfare Center, Division Keyport, Washington—Continued.

[All data except those shaded were published previously in Dinicola and others (2002), Dinicola (2003), Dinicola (2004), and Dinicola and Huffman (2004). Reported concentrations less than the detection limit are estimated. Laboratory data qualifier codes, such as “D” for dilution, are not shown. **Volatile organic compounds (VOCs)**; PCE, tetrachloroethene; TCE, trichloroethene; *cis*-DCE, *cis*-1,2-dichloroethene; *trans*-DCE, *trans*-1,2-dichloroethene; VC, vinyl chloride; 1,1,1-TCA, 1,1,1-trichloroethane; 1,1-DCA, 1,1-dichloroethane; CA, chloroethane; 1,1-DCE, 1,1-dichloroethene; total BTEX, sum of benzene, toluene, ethylbenzene, and xylene; total CVOCs, sum of chlorinated volatile organic compounds. Methane data are presented for diffusion samplers only. **Abbreviations:** E, estimated value; µg/L, microgram per liter; dup, duplicate; blank, field blank; <, actual value is less than value shown; nd, not detected; –, not analyzed]

Study site No.	Date sampled	1,1,1-TCA (µg/L)	1,1-DCA (µg/L)	CA (µg/L)	1,1-DCE (µg/L)	Total BTEX (µg/L)	Total CVOCs (µg/L)
Southern plantation—Continued							
P1-7	06-08-99	<670	<670	<1,300	<670	nd	64,000
	06-22-00	.24	17	8.4	72	18	75,000
	06-14-01	<20	<20	<20	44	nd	68,000
	06-14-02	<20	14	<20	64	nd	105,000
	06-20-03	<2,000	<2,000	<4,000	<2,000	nd	69,000
	06-18-04	<3,300	<3,300	<6,700	<3,300	nd	103,000
	06-22-05	<2,000	<2,000	<4,000	<2,000	nd	92,000
P1-8	06-07-99	<710	<710	<1,400	<710	nd	29,000
	06-14-01	<20	<20	<20	<20	nd	14,000
	06-13-02	<20	<20	<20	16	nd	32,000
	06-20-03	<10	4.2	<20	<10	nd	270
	06-18-04	<1.0	<1.0	<2.0	<1.0	nd	20
	06-23-05	<1.0	<1.0	<2.0	<1.0	nd	30
P1-9	06-08-99	<2,000	<2,000	<4,000	<2,000	nd	140,000
	06-22-00	<10	2.6	<20	47	36	160,000
	06-14-01	<40	<40	<40	<40	nd	37,000
	06-13-02	<20	<20	<20	54	11	180,000
	06-20-03	<1,000	<1,000	<2,000	<1,000	nd	89,000
	06-18-04	<1,300	<1,300	<2,700	<1,300	nd	75,000
	06-23-05	<20	<20	<40	<20	nd	1,000
P1-10	06-07-99	<1,000	<1,000	<2,000	<1,000	nd	51,000
	06-22-00	<.1	1.2	.13	16	12	24,000
	06-13-01	<20	<20	<20	11	nd	21,000
	06-12-02	<20	<20	<20	<20	nd	14,000
	06-19-03	<400	<400	<800	<400	nd	13,000
	06-18-04	<200	<200	<400	<200	nd	6,500
	06-23-05	<100	<100	<200	<100	nd	4,800
Intermediate aquifer							
1MW-4	06-17-04	<1.0	<1.0	<2.0	<1.0	nd	nd
MW1-25	06-14-02	<20	<20	<20	<20	nd	2,400
	06-19-03	<67	<67	<130	<67	nd	2,100
	06-06-04	–	–	–	–	–	–
	06-21-05	<67	<67	<130	<67	nd	2,000
MW1-28	06-14-02	<20	<20	<20	<20	nd	2,400
	06-19-03	<50	<50	<100	<50	nd	1,700
	06-16-04	–	–	–	–	–	–
	06-21-05	<67	<67	<130	<67	nd	2,300
MW1-38	06-12-02	<.20	<.20	<.20	<.20	nd	nd
	06-16-04	–	–	–	–	–	–
	06-21-05	<1.0	<1.0	<2.0	<1.0	nd	nd
MW1-39	06-19-03	<1.0	<1.0	<2.0	<1.0	nd	2.0
	06-16-04	–	–	–	–	–	–

Table 3. Concentrations of selected volatile organic compounds in ground-water samples from monitoring wells, piezometers, and diffusion samplers, and in surface-water samples from the marsh stream collected by the USGS from 1999 to 2005 at Operable Unit 1, Naval Undersea Warfare Center, Division Keyport, Washington—Continued.

[All data except those shaded were published previously in Dinicola and others (2002), Dinicola (2003), Dinicola (2004), and Dinicola and Huffman (2004). Reported concentrations less than the detection limit are estimated. Laboratory data qualifier codes, such as "D" for dilution, are not shown. **Volatile organic compounds (VOCs)**; PCE, tetrachloroethene; TCE, trichloroethene; *cis*-DCE, *cis*-1,2-dichloroethene; *trans*-DCE, *trans*-1,2-dichloroethene; VC, vinyl chloride; 1,1,1-TCA, 1,1,1-trichloroethane; 1,1-DCA, 1,1-dichloroethane; CA, chloroethane; 1,1-DCE, 1,1-dichloroethene; total BTEX, sum of benzene, toluene, ethylbenzene, and xylene; total CVOCs, sum of chlorinated volatile organic compounds. Methane data are presented for diffusion samplers only. **Abbreviations:** E, estimated value; µg/L, microgram per liter; dup, duplicate; blank, field blank; <, actual value is less than value shown; nd, not detected; –, not analyzed]

Study site No.	Date sampled	PCE (µg/L)	TCE (µg/L)	<i>cis</i> -DCE (µg/L)	<i>trans</i> -DCE (µg/L)	VC (µg/L)	Ethane (µg/L)	Ethene (µg/L)
Marsh passive diffusion samplers								
N1	07-07-00	<0.1	0.13	0.68	<0.1	<0.2	–	–
	07-15-04	<1.0	<1.0	<1.0	<1.0	<1.0	0.94	<5.0
N2	07-07-00	<.1	0.42	46	2.5	86	–	–
	07-15-04	<2.0	1.6	83	3.4	38	3.6	12
N3	07-07-00	<.1	16	410	13	130	–	–
	07-15-04	<1.0	<1.0	1.0	.72	<1.0	8.7	<5.0
N4	07-07-00	<.1	.77	13	.72	3.4	–	–
	07-15-04	<1.0	.23	22	1.8	2.4	68	<5.0
N5	07-07-00	<.1	.83	13	.35	.24	–	–
	07-15-04	<1.0	<1.0	4.6	<1.0	.36	1.0	<5.0
N6	07-15-04	<1.0	<1.0	20	.91	9.3	8.8	.66
N7	07-07-00	<.1	.91	6.7	.23	1.9	–	–
	07-15-04	<1.0	<1.0	1.7	<1.0	.40	1.3	<5.0
N8	07-07-00	<.1	.12	7.6	.23	3.2	–	–
	07-15-04	<1.0	<1.0	.78	<1.0	<1.0	<5.0	<5.0
C1	07-07-00	<.1	<.1	.51	.28	.25	–	–
	07-15-04	<1.0	<1.0	<1.0	<1.0	<1.0	12	<50
C2	07-07-00	<.1	.11	3.8	.25	12	–	–
C3	07-07-00	<.1	<.1	2.2	<.1	.44	–	–
S1	07-07-00	<.1	1.4	8.2	.69	1.5	–	–
	06-29-05	<1.0	3.5	26	.83	20	1.8	2.9
S2	07-07-00	<.1	.60	11	1.3	2.8	–	–
	06-29-05	<2.5	6.4	92	.69	17	.69	1.4
S2B	06-29-05	<1.0	4.9	34	1.1	11	16	2.4
S3	07-07-00	<.1	.63	9.9	9.5	220	–	–
	06-29-05	<4.0	<4.0	2.6	4.0	3.2	4.0	88
S3B	06-29-05	<20	4.6	100	88	39	5.3	7.3
S4	07-07-00	<.1	45	19,000	140	5,600	–	–
	07-15-04	<1,000	<1,000	23,000	<1,000	17,000	22	1,100
	06-29-05	<2,000	12,000	53,000	<2,000	5,300	16	180
S4B	06-29-05	<4	120	140	1.2	13	<5.0	<5.0
S5	07-07-00	<.1	49	80	1.3	17	–	–
	07-15-04	<50	16	730	<50	97	.87	12
	06-29-05	<120	730	940	7.8	60	<5.0	<5.0
S5B	06-29-05	<400	1,200	12,000	100	330	<5.0	2.4
S6	07-07-00	<.1	.24	8.0	.22	1.1	–	–
	07-15-04	<1.0	10	4.6	<1.0	<1.0	<5.0	<5.0
	06-29-05	<1.0	<1.0	3.0	.24	2.5	9.3	12
Surface water grab samples								
MA12	06-29-05	<20	93	640	4.4	82	–	–
SW-S6	06-29-05	<1.0	<1.0	6.5	.23	2.0	–	–

Table 3. Concentrations of selected volatile organic compounds in ground-water samples from monitoring wells, piezometers, and diffusion samplers, and in surface-water samples from the marsh stream collected by the USGS from 1999 to 2005 at Operable Unit 1, Naval Undersea Warfare Center, Division Keyport, Washington—Continued.

[All data except those shaded were published previously in Dinicola and others (2002), Dinicola (2003), Dinicola (2004), and Dinicola and Huffman (2004). Reported concentrations less than the detection limit are estimated. Laboratory data qualifier codes, such as “D” for dilution, are not shown. **Volatile organic compounds (VOCs)**; PCE, tetrachloroethene; TCE, trichloroethene; *cis*-DCE, *cis*-1,2-dichloroethene; *trans*-DCE, *trans*-1,2-dichloroethene; VC, vinyl chloride; 1,1,1-TCA, 1,1,1-trichloroethane; 1,1-DCA, 1,1-dichloroethane; CA, chloroethane; 1,1-DCE, 1,1-dichloroethene; total BTEX, sum of benzene, toluene, ethylbenzene, and xylene; total CVOCs, sum of chlorinated volatile organic compounds. Methane data are presented for diffusion samplers only. **Abbreviations:** E, estimated value; µg/L, microgram per liter; dup, duplicate; blank, field blank; <, actual value is less than value shown; nd, not detected; –, not analyzed]

Study site No.	Date sampled	1,1,1-TCA (µg/L)	1,1-DCA (µg/L)	CA (µg/L)	1,1-DCE (µg/L)	Total BTEX (µg/L)	Total CVOCs (µg/L)
Marsh passive diffusion samplers							
N1	07-07-00	<0.1	<0.1	–	<0.1	nd	1
	07-15-04	<1.0	<1.0	<2.0	<1.0	nd	nd
N2	07-07-00	<.1	1.61	–	<.1	0.57	140
	07-15-04	<2.0	.76	<4.0	<2.0	nd	130
N3	07-07-00	<.1	<.1	–	1.2	nd	570
	07-15-04	<1.0	<1.0	<2.0	<1.0	.43	2
N4	07-07-00	<.1	<.1	–	<.1	.14	18
	07-15-04	<1.0	<1.0	<2.0	<1.0	1.1	26
N5	07-07-00	<.1	.22	–	<.1	.28	15
	07-15-04	<1.0	<1.0	<2.0	<1.0	nd	5
N6	07-15-04	<1.0	<1.0	<2.0	<1.0	.25	30
N7	07-07-00	<.1	.15	–	<.1	.27	10
	07-15-04	<1.0	<1.0	<2.0	<1.0	nd	2
N8	07-07-00	<.1	.12	–	<.1	.13	11
	07-15-04	<1.0	<1.0	<2.0	<1.0	nd	1
C1	07-07-00	<.1	<.1	–	<.1	1.4	1
	07-15-04	<1.0	<1.0	<2.0	<1.0	.71	nd
C2	07-07-00	<.1	.11	–	<.1	2.7	16
C3	07-07-00	<.1	<.1	–	<.1	nd	3
S1	07-07-00	<.1	4.7	24	<.1	2.6	40
	06-29-05	<1.0	3.6	3.7	<1.0	.30	58
S2	07-07-00	<.1	6.1	10	<.1	2.6	32
	06-29-05	<2.5	2.5	2.6	<2.5	.53	120
S2B	06-29-05	<1.0	3.4	6.1	<1.0	.94	60
S3	07-07-00	<.1	460	36	<.1	5.9	730
	06-29-05	<4.0	87	29	<4.0	nd	126
S3B	06-29-05	<2.0	2.1	7.7	<2.0	1.3	150
S4	07-07-00	<.1	.91	20	73	5.1	25,000
	07-15-04	<1,000	<1,000	<2,000	<1,000	nd	40,000
	06-29-05	<2,000	<2,000	<4,000	<2,000	nd	70,000
S4B	06-29-05	<20	<20	<40	<2.0	nd	270
S5	07-07-00	<.1	<.1	–	.17	.15	150
	07-15-04	<50	<50	<100	<50	nd	840
	06-29-05	<20	<20	<40	<20	nd	1,700
S5B	06-29-05	<400	<400	<800	<400	nd	14,000
S6	07-07-00	<.1	<.1	–	<.1	.62	10
	07-15-04	<1.0	<1.0	<2.0	<1.0	nd	15
	06-29-05	<1.0	<1.0	<2.0	<1.0	8.7	6
Surface water grab samples							
MA12	06-29-05	<20	7.9	<40	<20	nd	830
SW-S6	06-29-05	<1.0	<1.0	<2.0	<1.0	0.59	9