

Table 8. Sampling data, field water-quality analyses, and volatile organic compound detections for temporary well points in Red Brook Harbor, Cape Cod, August 2000)

[Source of VOC data: Severn Trent Laboratories. Locations shown in figure 9. **Latitude and longitude:** In °, degrees; ', minutes; and ", seconds. **Altitude:** In feet above or (-) below sea level (NGVD of 1929). **Harbor water-level altitude:** Harbor water-level altitude was determined by a temporary recording tide gage near the shoreline. Measured water depth at station was determined by use of a handheld fathometer at the sample time indicated. **Trichloroethene detection limit:** 0.205 mg/L. **VOC compounds not detected (detection limit in µg/L):** 1,1-Dichloroethene (0.233); *trans*-1,2-Dichloroethene (0.166); *cis*-1,2-Dichloroethene (0.157); 1,1,1-Trichloroethane (0.228); Carbon Tetrachloride (0.128); Benzene (0.354); Toluene (0.210); Tetrachloroethene (0.195); Ethylbenzene (0.196); *m* & *p*-Xylene (0.530); *o*-Xylene (0.245). VOC, volatile organic compound; mg/L, milligram per liter; µg/L, microgram per liter; µS/cm, microsiemen per centimeter; <, actual value is less than value shown; --, silty, not measurable]

Site identifier	Latitude ° ' "	Longitude ° ' "	Date sampled	Sample time	Measured water depth at station (feet)	Harbor water- level altitude (feet)	Altitude, harbor bottom (feet)	Depth, top of screen (feet)	Depth, bottom of screen (feet)	Altitude, top of screen (feet)	Altitude, bottom of screen (feet)	Specific conduc- tance (µS/cm)	Oxygen, dissolved (mg/L)	Trichloro- ethene (µg/L)
WS02A-26-08	41 40 16.93	70 37 08.49	8-24-00	1015	2.3	0.36	-1.9	8	9	-9.9	-10.9	235	0.115	1.01
WS02A-50-18	41 40 17.07	70 37 09.45	8-24-00	1104	4.9	.55	-4.4	18	19	-22.4	-23.4	830	.140	<.205
WS01-25-08	41 40 14.72	70 37 08.75	8-24-00	1351	4.1	2.29	-1.8	8	9	-9.8	-10.8	184	.235	<.205
WS01-50-08	41 40 14.98	70 37 09.60	8-24-00	1400	5.8	2.51	-3.3	8	9	-11.3	-12.3	231	.040	<.205
WS01B-72-13	41 40 13.10	70 37 07.41	8-24-00	1530	6.0	3.91	-2.1	13	14	-15.1	-16.1	156	.020	<.205
WS03A-35-08	41 40 18.61	70 37 08.85	8-25-00	0850	4.1	.33	-3.8	8	9	-11.8	-12.8	191	.135	<.205
WS03A-56-14	41 40 18.77	70 37 10.03	8-25-00	1005	5.2	.16	-5.0	14	15	-19.0	-20.0	14,340	3.900	<.205
WS04-25-09	41 40 20.39	70 37 09.10	8-25-00	1150	5.6	.18	-5.4	9	10	-14.4	-15.4	1,350	.015	2.86
WS01A-26-08	41 40 15.84	70 37 08.95	8-25-00	1220	2.6	.28	-2.3	8	9	-10.3	-11.3	186	.000	<.205
WS05A-30-10	41 40 20.80	70 37 08.89	8-30-00	0950	10.3	4.59	-5.7	10	11	-15.7	-16.7	2,130	.020	<.205
WS05A-50-10	41 40 21.55	70 37 09.34	8-30-00	1213	9.4	1.76	-7.6	10	11	-17.6	-18.6	9,750	.030	<.205
WS03B-24-08	41 40 19.53	70 37 08.78	8-30-00	1338	3.5	.08	-3.4	8	9	-11.4	-12.4	216	.355	¹ .57
WS03B-44-23	41 40 19.95	70 37 09.59	8-30-00	1518	5.0	.12	-4.9	23	24	-27.9	-28.9	616	.485	¹ .52
WS02A-188-31	41 40 19.27	70 37 14.24	8-30-00	1627	6.3	.14	-6.2	31	32	-37.2	-38.2	6,240	--	4.51
WS04-52-15	41 40 20.75	70 37 09.58	8-31-00	906	10.9	3.84	-7.1	15	16	-22.1	-23.1	1,280	.110	<.205
WS03-55-14	41 40 17.89	70 37 08.27	8-31-00	1120	5.7	4.05	-1.6	14	15	-15.6	-16.6	239	.085	<.205
WS01A-50-21	41 40 16.58	70 37 10.07	8-31-00	1225	4.5	2.49	-2.0	21	22	-23.0	-24.0	515	--	2.71
WS03-62-16	41 40 18.17	70 37 09.58	8-31-00	1507	5.0	.14	-4.9	16	17	-20.9	-21.9	582	.300	<.205
WS05-31-12	41 40 20.90	70 37 08.91	8-31-00	1604	4.0	.09	-3.9	12	13	-15.9	-16.9	1,870	--	<.205

¹Estimated value.