Table 4-2 Results of the Environmental Survey for Monitoring Investigation in FY2004

Survey No.	Target Substance	Surface water 38 areas, 38samples		Bottom sediment 63 areas, 189 samples		Wildlife						Air			
						Shellfish 7 areas, 31 samples		Fish 14 areas, 70 samples		Birds 2 areas, 10 samples		First (Warm season) 37 areas, 37 samples		Second (Cold season) 37 areas, 37 samples	
		Range (pg/L)	Geometrical mean (pg/L)	Range (pg/g-dry)	Geometrical mean (pg/g-dry)	Range (pg/g-wet)	Geometrical mean (pg/g-wet)	Range (pg/g-wet)	Geometrical mean (pg/g-wet)	Range (pg/g-wet)	Geometrical mean (pg/g-wet)	Range (pg/m^3)	Geometrical mean (pg/m^3)	Range (pg/m^3)	Geometrical mean (pg/m^3)
1	PCBs	140 ~ 4,400	630	38 ~ 1,300,000	7,300	1,500 ~ 150,000	7,700	990 ~ 540,000	15,000	5,900 ~ 13,000	8,900	25 ~ 3,300	240	20 ~ 1,500	130
2	HCB	tr(11) ~ 180	30	tr(6) ~ 25,000	130	14 ~ 80	30	26 ~ 1,800	220	410 ~ 2,200	970	47 ~ 430	130	51 ~ 390	98
3	Drins														
3-1	Aldrin	nd ~ 13	tr(1.5)	nd ~ 390	9	nd ~ 46	tr(1.7)	nd ~ tr(2.4)	nd	nd	nd	nd ~ 14	tr(0.12)	nd ~ 13	tr(0.08)
3-2	Dieldrin	9 ~ 430	55	tr(1.9) ~ 3,700	58	42 ~ 69,000	510	tr(23) ~ 2,800	240	370 ~ 960	590	1.1 ~ 280	17	0.81 ~ 76	5.5
3-3	Endrin	tr(0.7) ~ 100	7	nd ~ 6,900	13	tr(5.7) ~ 4,600	54	nd ~ 220	18	nd ~ 62	tr(11)	tr(0.054) ~ 6.5	0.64	nd ~ 1.9	0.23
4	DDTs														
4-1	*p,p'*-DDT	nd ~ 310	15	7 ~ 98,000	330	48 ~ 2,600	280	6 ~ 53,000	310	160 ~ 700	330	0.41 ~ 37	4.7	0.29 ~ 13	1.8
4-3	*p,p'*-DDE	tr(6) ~ 680	36	8 ~ 39,000	630	220 ~ 8,400	1,000	390 ~ 52,000	2,500	6,800 ~ 200,000	34,000	0.62 ~ 95	6.1	0.85 ~ 43	2.9
4-5	*p,p'*-DDD	tr(2.4) ~ 740	19	4 ~ 75,000	550	8 ~ 8,900	300	56 ~ 9,700	640	52 ~ 1,400	310	tr(0.036) ~ 1.4	0.24	tr(0.025) ~ 0.91	0.12
4-2	*o,p'*-DDT	nd ~ 85	tr(4.5)	tr(1.1) ~ 17,000	52	20 ~ 910	130	4 ~ 1,800	130	tr(0.9) ~ 43	8	0.54 ~ 22	5.1	0.35 ~ 9.4	1.5
4-4	*o,p'*-DDE	tr(0.6) ~ 170	3	nd ~ 28,000	35	19 ~ 360	70	tr(0.9) ~ 5,800	68	nd ~ 4	tr(1.0)	0.14 ~ 8.9	1.1	0.14 ~ 3.9	0.53
4-6	*o,p'*-DDD	tr(0.7) ~ 81	6	tr(0.7) ~ 16,000	120	6 ~ 2,800	160	nd ~ 1,700	100	nd ~ 25	tr(5.6)	tr(0.052) ~ 2.6	0.31	nd ~ 0.86	tr(0.13)
5	Chlordanes														
5-1	*trans*-Chlordane	5 ~ 1,200	32	3 ~ 26,000	95	53 ~ 2,800	510	tr(17) ~ 5,200	190	nd ~ tr(26)	tr(14)	2.2 ~ 1,300	110	1.5 ~ 360	35
5-2	*cis*-Chlordane	10 ~ 1,900	92	4 ~ 36,000	140	91 ~ 14,000	1,200	68 ~ 9,800	580	tr(5.8) ~ 240	39	2.3 ~ 1,000	92	1.2 ~ 290	29
5-3	*trans*-Nonachlor	tr(3) ~ 1,100	25	3 ~ 23,000	83	110 ~ 3,400	710	140 ~ 21,000	1,000	390 ~ 1,200	680	1.9 ~ 870	72	0.95 ~ 240	23
5-4	*cis*-Nonachlor	0.8 ~ 340	7.5	tr(0.8) ~ 9,400	46	43 ~ 1,800	280	48 ~ 10,000	410	73 ~ 240	130	0.36 ~ 130	10	0.087 ~ 28	2.7
5-5	Oxychlordane	tr(0.7) ~ 47	3.2	nd ~ 140	tr(2.0)	14 ~ 1,700	110	25 ~ 1,500	150	320 ~ 730	460	0.41 ~ 7.8	1.9	0.27 ~ 3.9	0.80
6	Heptachlors														
6-1	Heptachlors	nd ~ 29	nd	nd ~ 170	tr(2.5)	nd ~ 16	tr(3.5)	nd ~ 460	tr(1.9)	nd ~ tr(1.5)	nd	0.46 ~ 200	23	0.53 ~ 100	11
6-2	*trans*-Heptachlor epoxide	nd	nd	nd ~ tr(2.5)	nd	nd ~ 55	tr(4.0)	nd ~ tr(10)	nd	nd	nd	nd ~ tr(0.38)	nd	nd	nd
6-3	*cis*-Heptachlor epoxide	2 ~ 77	10	nd ~ 230	tr(4.4)	tr(9.8) ~ 840	57	tr(3.3) ~ 620	46	190 ~ 350	270	0.65 ~ 9.7	2.8	0.44 ~ 7.0	1.1
7	Toxaphenes														
7-1	Parlar-26	nd	nd	nd	nd	nd ~ tr(32)	nd	nd ~ 1,000	tr(40)	nd ~ 810	71	tr(0.17) ~ 0.46	0.27	tr(0.094) ~ 0.50	tr(0.15)
7-2	Parlar-50	nd	nd	nd	nd	nd ~ tr(45)	tr(16)	nd ~ 1,300	54	nd ~ 1,000	83	nd	nd	nd	nd
7-3	Parlar-62	nd	nd	nd	nd	nd	nd	nd ~ 870	nd	nd ~ 280	tr(64)	nd	nd	nd	nd
8	Mirex	nd ~ 1.1	nd	nd ~ 220	2.1	tr(1.1) ~ 12	4.5	3.8 ~ 180	11	33 ~ 110	61	tr(0.042) ~ 0.16	0.099	tr(0.019) ~ 0.23	tr(0.046)
9	HCHs														
9-1	α-HCH	13 ~ 5,700	150	tr(1.5) ~ 5,700	140	tr(12) ~ 1,800	35	nd ~ 2,900	57	58 ~ 1,600	120	24 ~ 3,200	160	11 ~ 680	68
9-2	β-HCH	31 ~ 3,400	260	4 ~ 53,000	220	22 ~ 1,800	69	tr(3.9) ~ 1,100	100	1,100 ~ 4,800	2,200	0.53 ~ 110	6.6	0.32 ~ 78	2.6
9-3	γ-HCH	21 ~ 8,200	91	tr(0.8) ~ 4,100	46	nd ~ 230	tr(19)	nd ~ 660	tr(27)	tr(11) ~ 1,200	34	4.5 ~ 860	46	2.6 ~ 230	19
9-4	δ-HCH	tr(1.4) ~ 670	24	tr(0.5) ~ 5,500	48	nd ~ 1,500	tr(3.0)	nd ~ 270	tr(4.1)	6 ~ 260	16	0.15 ~ 93	2.2	tr(0.07) ~ 18	0.76
10	HBB	nd	nd	nd ~ 34	nd	nd	nd	nd ~ tr(0.12)	nd	nd	nd	nd ~ 610	tr(18)	nd ~ 380	nd
11	DOT	nd	nd	nd ~ 88	tr(2.6)	nd	nd	nd ~ tr(2.5)	nd	nd	nd				

(Notice) "nd" was taken into account as a half value of detection limit.