Table 4-3 Detection Limits for Monitoring Investigation in FY2004

Survey No.	Target Substance	Surface water MQL (pg/L)	Bottom sediment MQL (pg/g-dry)	Wildlife			Air	
				Shellfish MQL (pg/g-wet)	Fish MQL (pg/g-wet)	Birds MQL (pg/g-wet)	First (Warm season) MQL (pg/m^3)	Second (Cold season) MQL (pg/m^3)
1	PCBs*	0.4～10 [0.2～4]	0.2～2 [0.06～0.6]	2.1～18 [0.61～6.1]	2.1～18 [0.61～6.1]	2.1～18 [0.61～6.1]	0.024～0.99 [0.0081～0.33]	0.024～0.99 [0.0081～0.33]
2	HCB	30 [8]	7 [3]	14 [4.6]	14 [4.6]	14 [4.6]	1.1 [0.37]	1.1 [0.37]
3	Drins							
3-1	Aldrin	2 [0.4]	2 [0.6]	4 [1.3]	4 [1.3]	4 [1.3]	0.15 [0.05]	0.15 [0.05]
3-2	Dieldrin	2 [0.5]	3 [0.9]	31 [10]	31 [10]	31 [10]	0.33 [0.11]	0.33 [0.11]
3-3	Endrin	2 [0.5]	3 [0.9]	12 [4.2]	12 [4.2]	12 [4.2]	0.14 [0.048]	0.14 [0.048]
4	DDTs							
4-1	p,p'-DDT	6 [2]	2 [0.5]	3.2 [1.1]	3.2 [1.1]	3.2 [1.1]	0.22 [0.074]	0.22 [0.074]
4-3	p,p'-DDE	8 [3]	3 [0.8]	8.2 [2.7]	8.2 [2.7]	8.2 [2.7]	0.12 [0.039]	0.12 [0.039]
4-5	p,p'-DDD	3 [0.8]	2 [0.7]	2.2 [0.7]	2.2 [0.7]	2.2 [0.7]	0.053 [0.018]	0.053 [0.018]
4-2	o,p'-DDT	5 [2]	2 [0.6]	1.8 [0.61]	1.8 [0.61]	1.8 [0.61]	0.093 [0.031]	0.093 [0.031]
4-4	o,p'-DDE	2 [0.5]	3 [0.8]	2.1 [0.69]	2.1 [0.69]	2.1 [0.69]	0.037 [0.012]	0.037 [0.012]
4-6	o,p'-DDD	2 [0.5]	2 [0.5]	5.7 [1.9]	5.7 [1.9]	5.7 [1.9]	0.14 [0.048]	0.14 [0.048]
5	Chlordanes							
5-1	trans-Chlordane	5 [2]	3 [0.9]	48 [16]	48 [16]	48 [16]	0.69 [0.23]	0.69 [0.23]
5-2	cis-Chlordane	6 [2]	4 [2]	18 [5.8]	18 [5.8]	18 [5.8]	0.57 [0.19]	0.57 [0.19]
5-3	trans-Nonachlor	4 [2]	2 [0.6]	13 [4.2]	13 [4.2]	13 [4.2]	0.48 [0.16]	0.48 [0.16]
5-4	cis-Nonachlor	0.6 [0.2]	2 [0.6]	3.4 [1.1]	3.4 [1.1]	3.4 [1.1]	0.072 [0.024]	0.072 [0.024]
5-5	Oxychlordane	2 [0.5]	3 [0.8]	9.2 [3.1]	9.2 [3.1]	9.2 [3.1]	0.13 [0.042]	0.13 [0.042]
6	Heptachlors							
6-1	Heptachlors	5 [2]	3 [0.9]	4.1 [1.4]	4.1 [1.4]	4.1 [1.4]	0.23 [0.078]	0.23 [0.078]
6-2	trans-Heptachlor epoxide	0.9 [0.3]	4 [2]	12 [4]	12 [4]	12 [4]	0.6 [0.2]	0.6 [0.2]
6-3	cis-Heptachlor epoxide	2 [0.4]	6 [2]	9.9 [3.3]	9.9 [3.3]	9.9 [3.3]	0.052 [0.017]	0.052 [0.017]
7	Toxaphenes							
7-1	Parlar-26	9 [3]	60 [20]	42 [14]	42 [14]	42 [14]	0.20 [0.066]	0.20 [0.066]
7-2	Parlar-50	20 [7]	60 [20]	46 [15]	46 [15]	46 [15]	1.2 [0.4]	1.2 [0.4]
7-3	Parlar-62	90 [30]	2,000 [400]	98 [33]	98 [33]	98 [33]	2.4 [0.81]	2.4 [0.81]
8	Mirex	0.4 [0.2]	2 [0.5]	2.5 [0.82]	2.5 [0.82]	2.5 [0.82]	0.05 [0.017]	0.05 [0.017]
9	HCHs							
9-1	α-HCH	6 [2]	2 [0.6]	13 [4.3]	13 [4.3]	13 [4.3]	0.33 [0.11]	0.33 [0.11]
9-2	β-HCH	4 [2]	3 [0.8]	6.1 [2.0]	6.1 [2.0]	6.1 [2.0]	0.12 [0.041]	0.12 [0.041]
9-3	γ-HCH	20 [7]	2 [0.5]	31 [10]	31 [10]	31 [10]	0.23 [0.076]	0.23 [0.076]
9-4	δ-HCH	2 [0.7]	2 [0.5]	4.6 [1.5]	4.6 [1.5]	4.6 [1.5]	0.15 [0.05]	0.15 [0.05]
10	HBB	2.0 [0.6]	2.7 [0.9]	0.3 [0.1]	0.3 [0.1]	0.3 [0.1]	29 [9.7]	29 [9.7]
11	DOT	5.5 [1.9]	6.0 [2.0]	3 [1]	3 [1]	3 [1]		

* Value in parenthesis [ ] indicates MDL (Method Detection Limit).
 MQL = MDL * 3