

**Table A10.2.** Results of temporal trend analyses of data on PCB and Lindane concentrations in herring muscle using a non-parametric Mann-Kendall test. r: the Kendall tau correlation coefficient; P: significance level; n: number of observations (years) in the time series. The significant upward trends are indicated by P-values shown in red while significant downward trends are indicated by P-values in green. A significance level of  $P < 0.05$  was used.

	CB28	CB52	CB101	CB118	CB138	CB153	CB180	SCB7	HCHG Lindane
Kattegat, North	r=-0.225	r=-0.275	r=-0.714	r=-0.692	r=-0.648	r=-0.354	r=-0.442	r=-0.5	r=-0.78
	P=0.299	P=0.171	P=0.0004	P=0.0006	P=0.001	P=0.079	P=0.028	P=0.083	P=0.0001
	n=14	n=14	n=14	n=14	n=14	n=14	n=14	n=8	n=14
Hanöbuk	r=0.170	r=-0.384	r=-0.359	r=-0.473	r=-0.253	r=0.033	r=0.099	r=-0.333	r=-0.676
	P=0.425	P=0.067	P=0.088	P=0.018	P=0.208	P=0.869	P=0.622	P=0.211	P=0.0004
	n=13	n=13	n=13	n=14	n=14	n=14	n=14	n=9	n=15
Stockholm, East	r=-0.402	r=-0.562	r=-0.276	r=-0.295	r=-0.276	r=-0.286	r=-0.162	r=0.067	r=-0.829
	P=0.038	P=0.004	P=0.151	P=0.125	P=0.151	P=0.882	P=0.40	P=0.788	P<0.0001
	n=15	n=15	n=15	n=15	n=15	n=15	n=15	n=10	n=15
Åland			r=-0.786	r=-0.571	r=-0.786	r=-0.714	r=-0.929	r=-0.619	r=-0.143
			P=0.006	P=0.048	P=0.007	P=0.013	P=0.001	P=0.051	P=0.652
	n=5	n=5	n=8	n=8	n=8	n=8	n=8	n=7	n=7
Outer Gulf of Finland		r=-0.182	r=-0.429	r=-0.429	r=-0.571	r=-0.429	r=-0.50		r=0.238
		P=0.533	P=0.138	P=0.138	P=0.048	P=0.138	P=0.083		P=0.453
	n=4	n=8	n=8	n=8	n=8	n=8	n=8	n=3	n=7
Inner Gulf of Finland	r=-0.036	r=0.156	r=-0.486	r=-0.473	r=-0.582	r=-0.407	r=-0.648	r=-0.44	r=-0.242
	P=0.9	P=0.462	P=0.016	P=0.019	P=0.004	P=0.043	P=0.001	P=0.095	P=0.273
	n=8	n=13	n=14	n=14	n=14	n=14	n=14	n=9	n=14
Gävlebukt	r=-0.1	r=0.137	r=-0.231	r=-0.275	r=-0.275	r=-0.055	r=-0.231	r=-0.714	r=-0.89
	P=0.652	P=0.536	P=0.250	P=0.171	P=0.171	P=0.784	P=0.25	P=0.013	P<0.0001
	n=13	n=12	n=14	n=14	n=14	n=14	n=14	n=8	n=14
Bothnian Sea	r=0.0	r=-0.028	r=-0.556	r=-0.556	r=-0.556	r=-0.556	r=-0.733	r=-0.214	r=-0.278
	P=1	P=0.917	P=0.025	P=0.025	P=0.025	P=0.025	P=0.003	P=0.458	P=0.297
	n=7	n=9	n=10	n=10	n=10	n=10	n=10	n=8	n=9
Bothnian Bay	r=0.074	r=0.065	r=-0.209	r=-0.165	r=-0.319	r=-0.275	r=-0.318	r=-0.056	r=-0.168
	P=0.802	P=0.759	P=0.298	P=0.412	P=0.112	P=0.171	P=0.1124	P=0.835	P=0.45
	n=8	n=13	n=14	n=14	n=14	n=14	n=14	n=9	n=12
Luleå	r=-0.384	r=-0.26	r=-0.448	r=-0.41	r=-0.524	r=-0.257	r=-0.371	r=-0.389	r=-0.88
	P=0.098	P=0.243	P=0.02	P=0.033	P=0.007	P=0.182	P=0.054	P=0.144	P<0.0001
	n=13	n=12	n=15	n=15	n=15	n=15	n=15	n=9	n=15