Table S5. Results of similarity percentage (SIMPER) analysis within and between "Season" groups.

Within season GROUPS	Average squared distance	Variable	Contrib%	Between season GROUPS	Average squared distance	Variable	Contrib%
Summer	26.43	AP	9.24	Summer & autumn	43.95	Het. Bacteria	8.76
		GLU	9.40			TSM	8.71
		Diatom	9.90			Others	8.17
		LAP	10.98			AP	7.20
						pH	6.94
Autumn	13.36	C/N	8.47			LAP	6.47
		PO4	13.40				
		Others	26.99	Summer & winter	55.19	T	12.29
		TSM	29.81			NO2	12.02
						DO	7.52
				Summer & spring	62.42	Dinoflag	7.08
						PN	6.68
						T	6.63
						POC	6.61
						Chl-a	6.21
Spring	35.06	Chl-a	9.10	Spring & autumn	49.30	Het. Bacteria	10.11
		NO3	11.25			Chl-a	9.35
		PN	13.18			Dinoflag	8.96
		POC	13.61			TSM	8.92
		Dinoflag	13.65			TN	8.65
						POC	8.55
				Spring & winter	51.06	NO2	13.54
						PN	8.79
						POC	8.78
						Dinoflag	8.18
						PO4	8.07
				Autumn & winter	29.52	NO2	21.00
						TSM	10.13
						Het. Bacteria	10.02
						Others	9.69
						PO4	8.21