

	α_{Br}	α_C	α_{Cl}	α_F	α_H	α_N	α_O	α_S	β_{Br}	β_C	β_{Cl}	β_F	β_H	β_N	β_O	β_S	γ_{Br}	γ_C	γ_{Cl}	γ_F	γ_H	γ_N	γ_O	γ_S	K
α_{Br}	1.0	0.3	0.2	0.2	0.2	0.3	0.3	0.3	-0.9	-0.1	-0.0	-0.0	-0.1	-0.1	-0.1	0.0	-0.6	0.0	-0.1	-0.1	0.1	0.0	0.1	0.1	0.3
α_C	0.3	1.0	0.5	0.5	0.7	0.8	0.9	0.8	-0.1	-0.4	-0.1	-0.1	-0.2	-0.3	-0.3	-0.1	0.0	-0.0	-0.0	-0.0	0.1	0.1	0.2	0.2	0.8
α_{Cl}	0.2	0.5	1.0	0.3	0.4	0.5	0.5	0.4	-0.1	-0.1	-0.8	-0.1	-0.2	-0.2	-0.2	0.1	0.0	0.0	-0.7	-0.1	0.1	0.1	0.1	0.1	0.5
α_F	0.2	0.5	0.3	1.0	0.4	0.4	0.5	0.3	-0.0	-0.1	-0.0	-0.8	-0.1	-0.1	-0.2	0.1	-0.0	0.0	-0.2	0.0	0.1	0.0	0.1	0.3	0.5
α_H	0.2	0.7	0.4	0.4	1.0	0.8	0.8	0.7	-0.0	-0.0	-0.0	-0.0	-0.3	0.1	-0.0	-0.0	0.0	0.2	-0.0	-0.1	-0.4	-0.1	0.1	0.2	0.8
α_N	0.3	0.8	0.5	0.4	0.8	1.0	0.9	0.9	-0.0	0.1	-0.0	-0.0	0.1	0.0	0.0	0.1	0.0	0.0	-0.0	-0.1	0.1	-0.0	0.0	0.2	1.0
α_O	0.3	0.9	0.5	0.5	0.8	0.9	1.0	0.8	-0.1	-0.2	-0.1	-0.1	-0.1	-0.3	-0.4	0.0	0.0	0.0	-0.1	-0.1	0.1	0.2	0.0	0.2	0.9
α_S	0.3	0.8	0.4	0.3	0.7	0.9	0.8	1.0	-0.0	-0.1	0.0	0.1	0.0	0.0	0.0	-0.3	-0.0	0.1	0.1	0.1	0.0	0.0	0.1	-0.0	0.9
β_{Br}	-0.9	-0.1	-0.1	-0.0	-0.0	-0.0	-0.1	-0.0	1.0	0.1	0.1	-0.0	0.2	0.1	0.1	0.0	0.6	-0.0	0.1	0.1	-0.1	-0.0	-0.0	-0.0	-0.0
β_C	-0.1	-0.4	-0.1	-0.1	-0.0	0.1	-0.2	-0.1	0.1	1.0	0.1	0.1	0.5	0.7	0.5	0.3	-0.1	-0.2	-0.1	-0.2	0.2	0.0	-0.3	0.1	0.1
β_{Cl}	-0.0	-0.1	-0.8	-0.0	-0.0	-0.0	-0.1	0.0	0.1	0.1	1.0	-0.0	0.2	0.2	0.1	-0.1	-0.0	-0.0	0.5	0.1	-0.0	-0.1	-0.0	-0.0	-0.0
β_F	-0.0	-0.1	-0.1	-0.8	-0.0	-0.0	-0.1	0.1	-0.0	0.1	-0.0	1.0	0.1	0.1	0.2	-0.1	0.0	0.0	0.2	-0.4	-0.0	-0.0	-0.1	-0.2	-0.0
β_H	-0.1	-0.2	-0.2	-0.1	-0.3	0.1	-0.1	0.0	0.2	0.5	0.2	0.1	1.0	0.3	0.3	0.1	0.0	-0.3	0.1	-0.1	0.2	0.2	-0.2	-0.1	0.0
β_N	-0.1	-0.3	-0.2	-0.1	0.1	0.0	-0.3	0.0	0.1	0.7	0.2	0.1	0.3	1.0	0.8	0.1	-0.0	-0.1	0.0	-0.1	0.0	-0.4	-0.1	0.0	0.1
β_O	-0.1	-0.3	-0.2	-0.2	-0.0	0.0	-0.4	0.0	0.1	0.5	0.1	0.2	0.3	0.8	1.0	-0.1	-0.0	0.0	0.0	-0.0	0.0	-0.4	-0.2	0.0	0.0
β_S	0.0	-0.1	0.1	0.1	-0.0	0.1	0.0	-0.3	0.0	0.3	-0.1	-0.1	0.1	0.1	-0.1	1.0	0.0	-0.1	-0.3	-0.3	0.1	0.0	-0.1	-0.3	0.1
γ_{Br}	-0.6	0.0	0.0	-0.0	0.0	0.0	0.0	-0.0	0.6	-0.1	-0.0	0.0	0.0	-0.0	-0.0	0.0	1.0	0.0	-0.0	-0.0	-0.1	0.0	0.0	0.0	0.0
γ_C	0.0	-0.0	0.0	0.0	0.2	0.0	0.0	0.1	-0.0	-0.2	-0.0	0.0	-0.3	-0.1	0.0	-0.1	0.0	1.0	0.0	0.0	-0.7	0.1	0.1	-0.0	0.0
γ_{Cl}	-0.1	-0.0	-0.7	-0.2	-0.0	-0.0	-0.1	0.1	0.1	-0.1	0.5	0.2	0.1	0.0	0.0	-0.3	-0.0	0.0	1.0	0.1	-0.1	-0.1	0.0	-0.1	-0.1
γ_F	-0.1	-0.0	-0.1	0.0	-0.1	-0.1	-0.1	0.1	0.1	-0.2	0.1	-0.4	-0.1	-0.1	-0.0	-0.3	-0.0	0.0	0.1	1.0	-0.0	-0.1	0.0	-0.3	-0.1
γ_H	0.1	0.1	0.1	0.1	-0.4	0.1	0.1	0.0	-0.1	0.2	-0.0	-0.0	0.2	0.0	0.0	0.1	-0.1	-0.7	-0.1	-0.0	1.0	0.0	-0.2	-0.0	0.1
γ_N	0.0	0.1	0.1	0.0	-0.1	-0.0	0.2	0.0	-0.0	0.0	-0.1	-0.0	0.2	-0.4	-0.4	0.0	0.0	0.1	-0.1	-0.1	0.0	1.0	-0.1	0.1	0.1
γ_O	0.1	0.2	0.1	0.1	0.1	0.0	0.0	0.1	-0.0	-0.3	-0.0	-0.1	-0.2	-0.1	-0.2	-0.1	0.0	0.1	0.0	0.0	-0.2	-0.1	1.0	0.1	0.0
γ_S	0.1	0.2	0.1	0.3	0.2	0.2	0.2	-0.0	-0.0	0.1	-0.0	-0.2	-0.1	0.0	0.0	-0.3	0.0	-0.0	-0.1	-0.3	-0.0	0.1	0.1	1.0	0.2
K	0.3	0.8	0.5	0.5	0.8	1.0	0.9	0.9	-0.0	0.1	-0.0	-0.0	0.0	0.1	0.0	0.1	0.0	0.0	-0.1	-0.1	0.1	0.1	0.0	0.2	1.0