=residual of component k

= calculated total of component k

= known total of component k

= concentration of species

=volume of mass compartment of species i

=equilibrium coefficient of species i

= ionic strength adjustment factor for humic substance h

=ionic strength

=net humic charge

=charge of species (constant)

= Boolean value indicating whether species is part of humic substance h (0=not part of HS h, 1 = part of HS h)

= total concentration of humic substance h (g HS / L) (constant)

=WHAM input parameter P for humic substance h (constant)

=temperature-adjusted input equilibrium coefficient for species (constant)

=stoichiometric coefficient for component within the reaction for species (constant)

=activity correction coefficient for species

= ionic strength