In this manuscript, the authors consider the influence of the structure on the kinetic and thermodynamic components of tracers to assess their application's operating intervals in the SWCTT. Some issues are needed to explain.

(1) what is the novelty in this manuscript? Please further explain.

(2) please explain the relationship between eq.(3) and eq.(4). Because they are K values. In eq.(3), the water-oil phase are involved, but in eq.(4), only the parameters in water phase is used.

(3) please correct comma to points in the table 1

(4) Please make the proposed algorithm clearer in line 69.