

Supplementary Material:

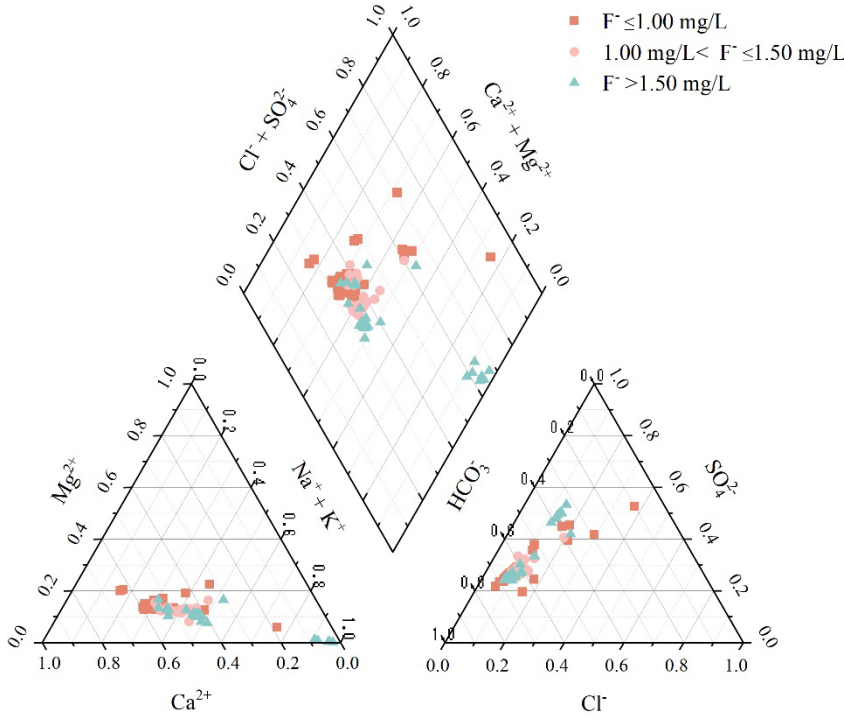


Fig. S1. Piper diagram of ionic composition of different river waters in the study area.

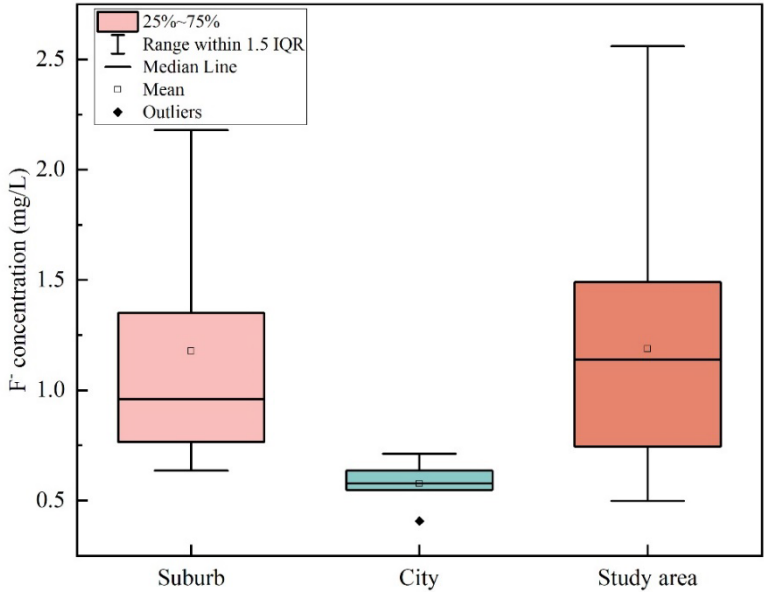


Fig. S2. F⁻ concentration distribution of river water in different regions of the study area.

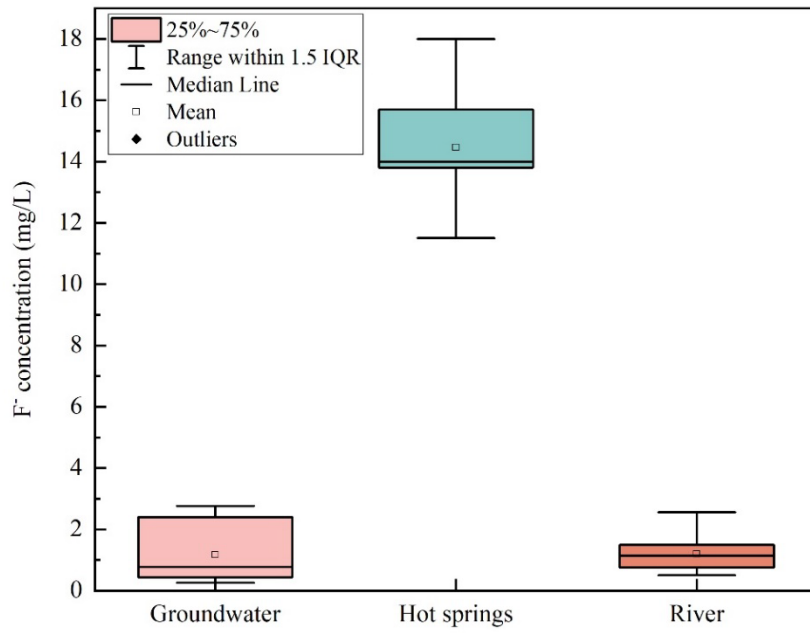


Fig. S3. Distribution of F^- concentration in different waters in the study area.

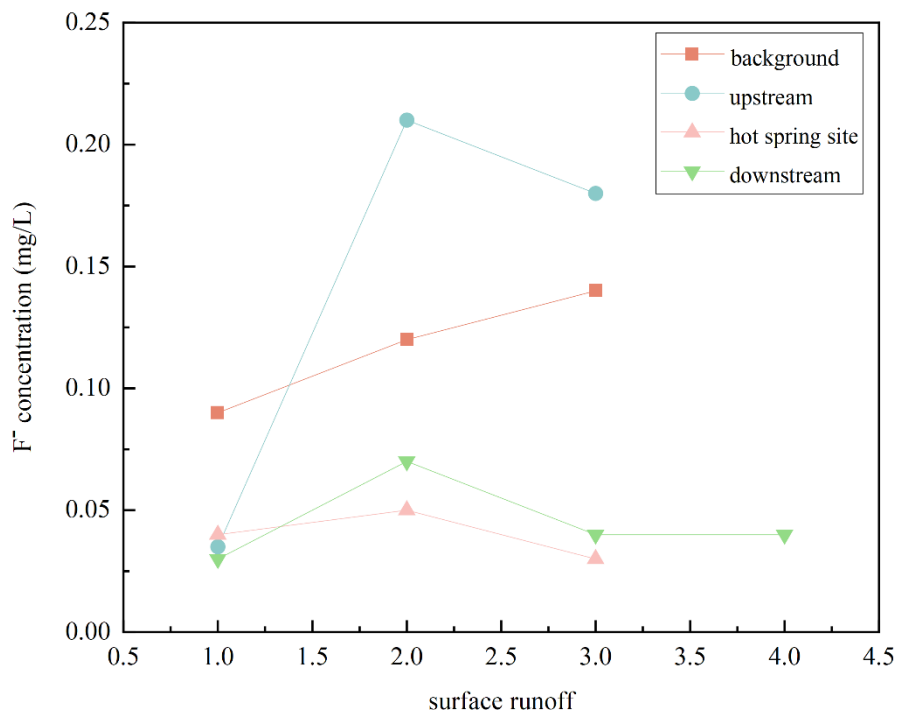


Fig. S4. Spatial distribution of F^- concentration in surface runoff water in the study area.

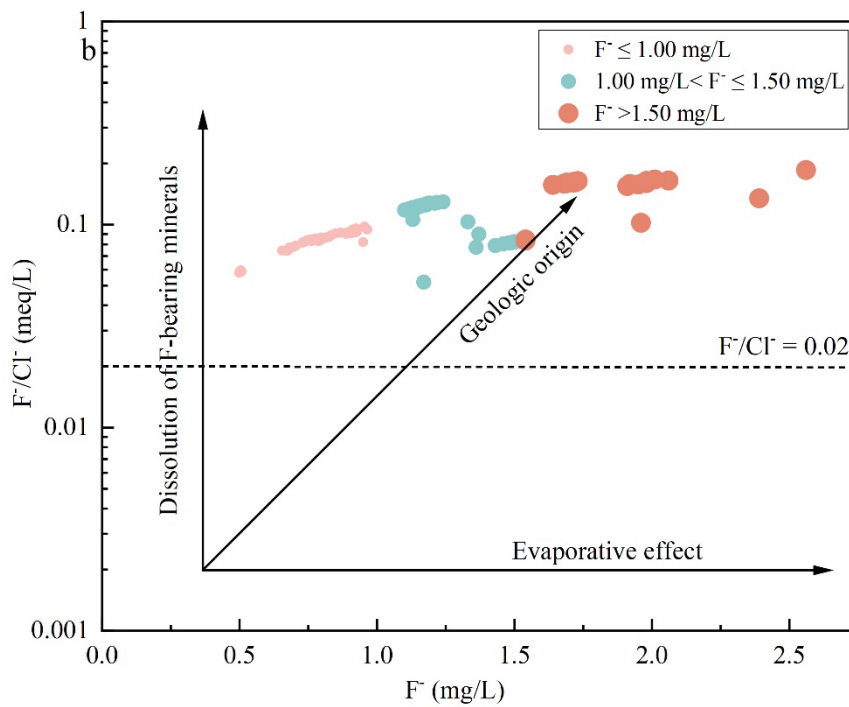
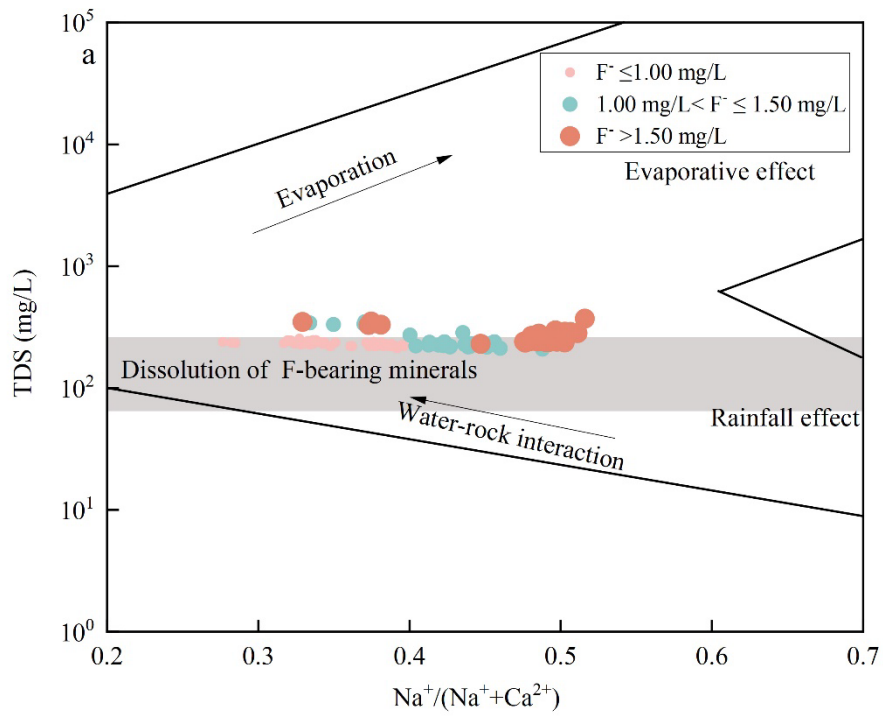


Fig. S5. Plots of: a) Gibbs map of surface water samples; b) Relationship between F^- concentration and F^- / Cl^- in river water.

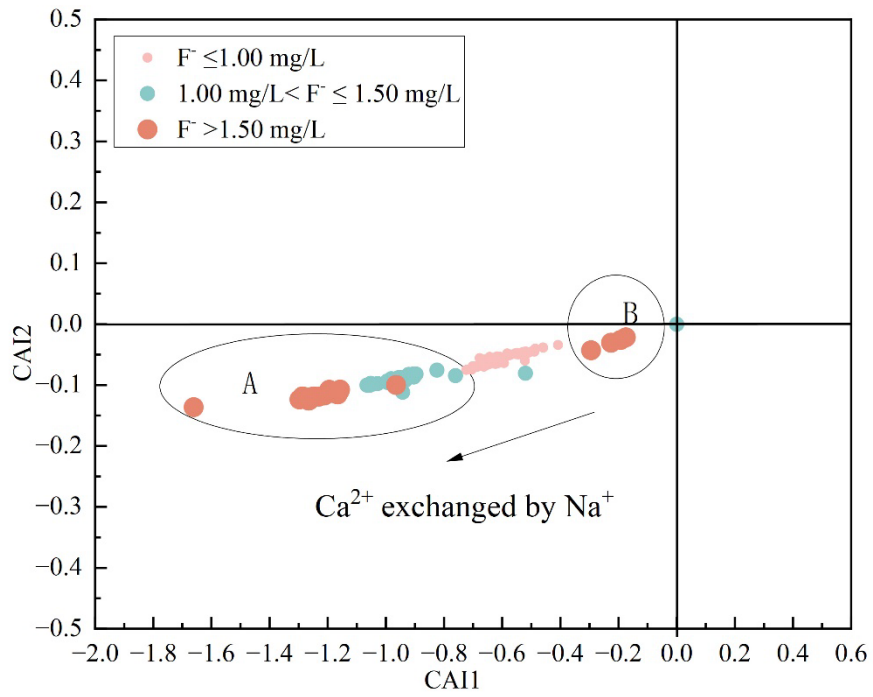
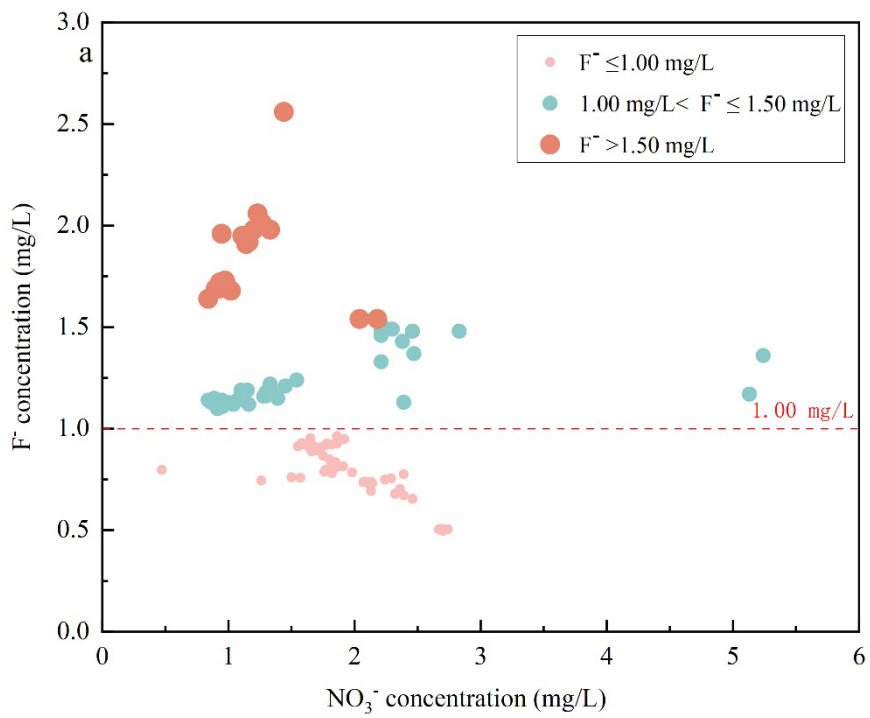


Fig. S6. Relationships between CAI1 and CAI2 in river water samples.



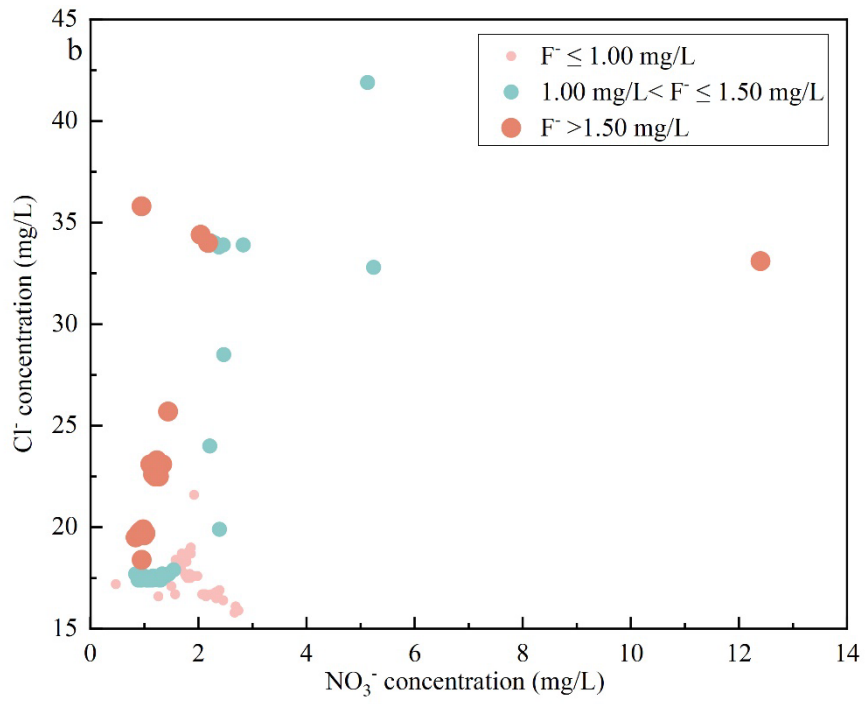


Fig. S7. Plots of: a) Relationship between F^- and NO_3^- concentration; b) Relationship between NO_3^- and Cl^- concentration in river water in the study area.