

## Supporting Information for

### Distribution of groundwater hydrochemistry and quality assessment in Hutuo River Drinking Water Source Area of Shijiazhuang (North China Plain)

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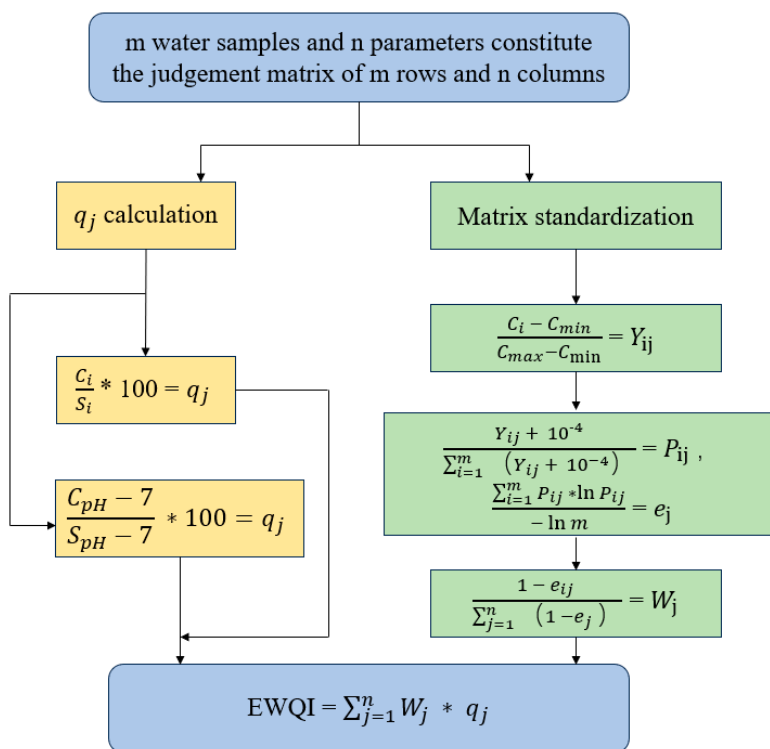


Figure S1. Procedure for calculating EWQI.

Table S1. The entropy weights ( $w_j$ ) and information entropy ( $e_j$ ) values for the qualitative classification.

	pH	TH	TDS	Fe <sup>2+</sup>	Na <sup>+</sup>	Al <sup>3+</sup>	Mn <sup>2+</sup>	Zn <sup>2+</sup>	As <sup>3+</sup>	F <sup>-</sup>	SO <sub>4</sub> <sup>2-</sup>	Cl <sup>-</sup>	NO <sub>3</sub> <sup>-</sup>	NO <sub>2</sub> <sup>-</sup>
$e_j$	0.99	0.97	0.97	0.30	0.96	0.92	0.75	0.67	0.80	0.98	0.97	0.95	0.94	0.37
$w_j$	0.004	0.01	0.01	0.28	0.01	0.03	0.10	0.13	0.08	0.01	0.01	0.02	0.02	0.26