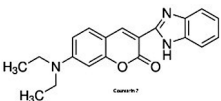
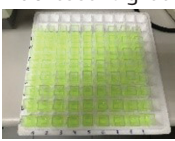
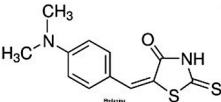
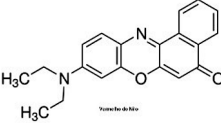
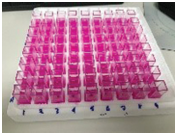
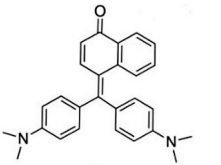
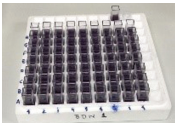
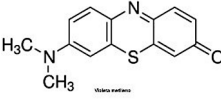
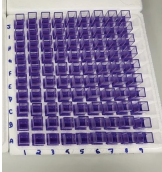
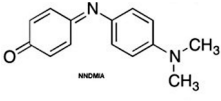
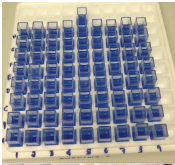
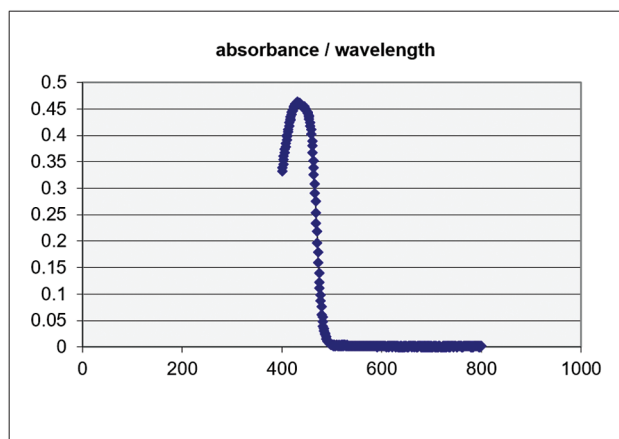
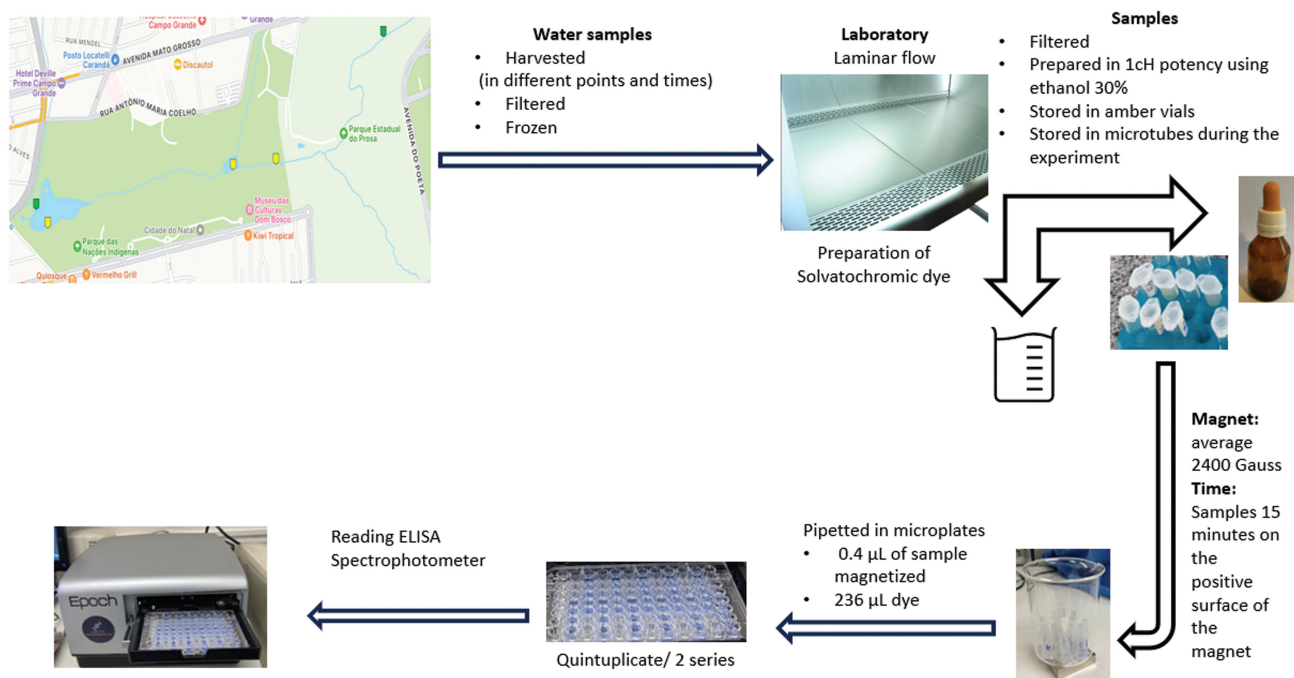


Supplementary File S1 Standard solvatochromic dyes, chemical features, and respective working concentrations (extracted from Mohammad et al, 2023)¹⁷

Dye	Chemical structure	Color in absolute ethanol	Standard molarity
Coumarin 7 3-(2-benzimidazolyl)-7-(diethylamino) coumarin CAS number: 27425-55-4 $C_{20}H_{19}N_3O_2$	 (https://www.sigmaaldrich.com/BR/pt/product/aldrich/416541)	Fluorescent green/yellow 	25 μ M
Rhodanine 5-(4-dimethylaminobenzylidene) rhodanine CAS number: 536-17-4 $C_{12}H_{12}N_2OS_2$	 (https://www.sigmaaldrich.com/BR/pt/product/aldrich/114588)	Yellow 	50 μ M
Nile red Nile blue A Oxazone CAS number: 7385-67-3 $C_{20}H_{18}N_2O_2$	 (https://www.sigmaaldrich.com/BR/pt/product/sigma/19123)	Pink 	20 μ M
BDN (+) 4-(bis-[4-[dimethylamine] phenyl] methylene)-1(4H)-naftalenone CAS number: not available $C_{27}H_{26}N_2O$	 (https://www.sigmaaldrich.com/BR/pt/product/aldrich/s873705)	Purple/deep blue 	80 μ M
Methylene violet (Berntsen) CAS number: 2516-05-4 $C_{14}H_{12}N_2OS$	 (https://www.sigmaaldrich.com/BR/pt/product/sial/216313)	Purple 	50 μ M
N,N-dimethylindoaniline (NN-DMIA) 4-([4-[dimethylamine] phenyl] luminol)-2,5-cyclohexadiene-1-one CAS number: 2150-58-5 $C_{14}H_{14}N_2O$	 (https://www.scbt.com/pt/p/n-n-dimethylindoaniline-2150-58-5)	Blue 	25 μ M



Supplementary File S2 Coumarin 7 visible light spectrum as obtained from the FEMTO 800 XI spectrophotometer (São Paulo, Brazil) in February 2023.



Supplementary File S3 Experimental design for the analysis of the water samples. On the map, the yellow flag represents the points where the device with the homeopathic complex was installed, and the water samples were harvested before and after the installation of the device. The green flags represent the points of water sampling only. Map adapted from Google Maps.