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Authors: Cristina Postigo, Pere Emiliano, Damià Barceló, Fernando Valero



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Chemical characterization and relative toxicity assessment of disinfection byproduct mixtures in a large drinking water supply network

Cristina Postigo^{(1)*}, Pere Emiliano⁽²⁾, Damià Barceló^(1,3), Fernando Valero⁽²⁾,

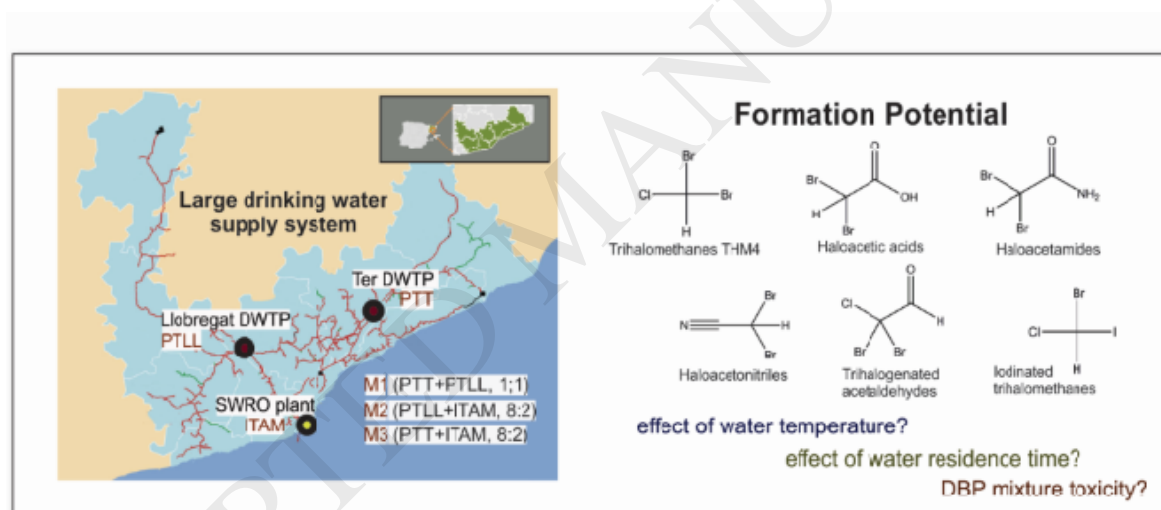
⁽¹⁾ *Water and Soil Quality Research Group, Department of Environmental Chemistry, Institute of Environmental Assessment and Water Research (IDAEA-CSIC), C/ Jordi Girona 18-26, 08034 Barcelona, Spain*

⁽²⁾ *ATLL CGCSA, Sant Martí de l'Erm, 30, 08970 Sant Joan Despí, Barcelona, Spain*

⁽³⁾ *Catalan Institute for Water Research (ICRA), Girona, Spain.*

*cprqam@cid.csic.es, Tel: +34-934-006-100, Fax: +34-932-045-904

Graphical abstract



Highlights

- DBP levels measured did not exceed the limits set in drinking water regulations
- The formation of iodinated DBPs was not relevant
- Mixing with desalinated water reduced overall DBP formation potential
- Mixing with desalinated water increased Br-DBP formation at high residence times
- Potential toxicity attributed to halo-acids and N-DBPs, and overall to Br-DBPs

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