

## **Supporting Information**

### **Effect of medium pressure ultraviolet/chlorine advanced oxidation on the production of disinfection by-products from seven model benzene precursors**

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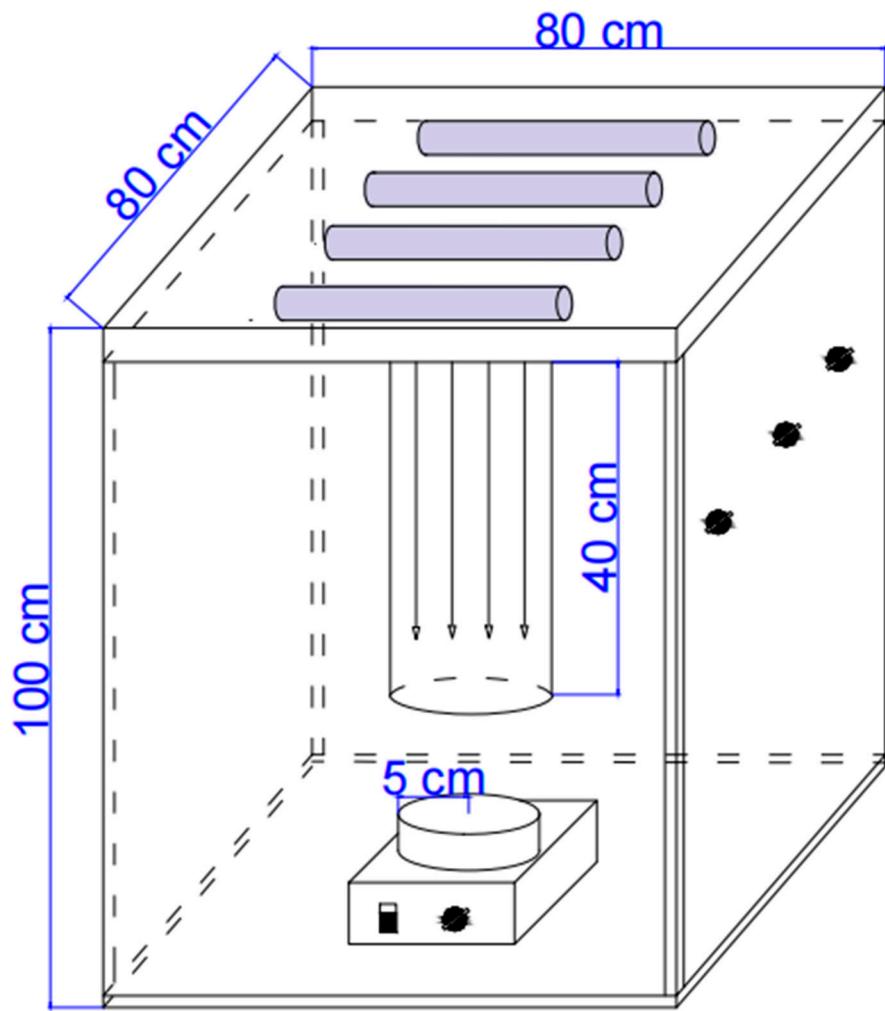
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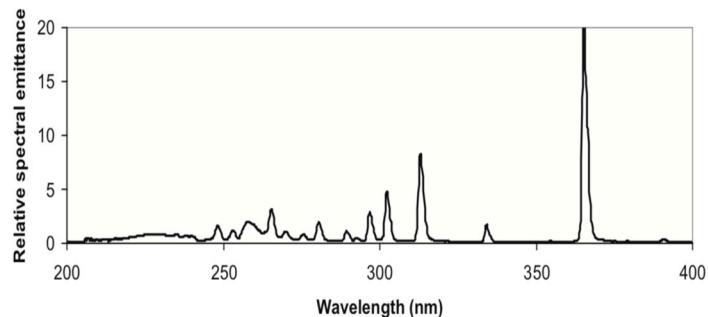
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**Table S1. Chlorine decay during 60 s pre-oxidation of the seven model compounds.**

Model precursors	pH 6 (mg Cl/mg C)				pH 8 (mg Cl/mg C)			
	Ambient		Bromide-spiked		Ambient		Bromide-spiked	
	Cl <sub>2</sub> alone	UV/Cl <sub>2</sub>						
BA	0.05	0.37	0.01	0.38	0.02	0.96	0.01	0.98
NB	0.01	0.33	0.01	0.30	0.01	0.63	0.01	0.66
PN	0.13	0.93	0.12	0.98	0.2	1.34	0.24	1.47
RSC	3.34	3.38	3.30	3.37	3.30	3.37	3.30	3.37
2-MCP	0.23	1.07	0.53	1.37	0.27	1.53	0.55	1.65
4-MCP	0.10	1.33	0.08	1.57	0.13	1.73	0.17	1.83
2,4,6-TCP	0.20	0.70	0.23	1.37	0.17	1.15	0.21	1.37



(a)



(b)

**Figure S1.** Schematic diagram of the ultraviolet collimated beam apparatus (a) and spectrogram of a medium-pressure mercury lamp (b).