

### Supplementary Materials:

Table S1: Descriptive statistics of the chlorine decay constants (k) in ultrapure water sample (control) and water from wells located in Porto Velho.

	Mean	Median	Max.	Min.	n	SD
<b>Control</b>	0.01064	0.00779	0.03199	0.00205	30	0.007
<b>Test</b>	0.04103	0.02073	0.17992	0.00377	30	0.050

SD: standard deviation; Max.: maximum; Min.: minimum.

Table S2: Descriptive statistics of the chlorine decay constants (k) in water samples from tubular and excavated wells located in Porto Velho.

Wells	n	Mean	Median	Max.	Min.	SD
<b>Tubular</b>	15	0.0171	0.0083	0.0551	0.0038	0.0162
<b>Excavated</b>	15	0.0650	0.0282	0.1799	0.0091	0.0610

SD: standard deviation; Max.: maximum; Min.: minimum.

Table S3: Results of the analysis of variance of data on chlorine decay speed in water samples from tubular and excavated wells located in Porto Velho.

Test	Source	DF	SS	MS	F-value	p-value
<b>Two-way ANOVA</b>	Type	1	11.851	11.851	52.5	0.0000001
	Concentration	2	20.983	10.492	46.48	0.000000002
	Residual	26	5.869	0.226		
Test	Source	DF	SS	QM	F-value	p-value
<b>Excavated Well</b>	Intercept	1	0.0632	0.002	107.5	0.000
	Concentration	2	0.0463	0.003	52.554	0.000
Test	Source	DF	SS	QM	F-value	p-value
<b>Tubular Well</b>	Intercept	1	0.004	0.0006	27.006	0.0065
	Concentration	2	0.002	0.0003	33.284	0.0001

DF: degrees of freedom; SS: sum of squares; MS: medium squares.