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Supplementary Table 1: Results of physicochemical analysis of bulk water samples showing the characteristics of the water from the pipe sections.

	CAMPAIGN 1		CAMPAIGN 2		CAMPAIGN 3
	Site 1	Site 2	Site 3	Site 5	Site 6
Temperature (°C)	15,3	15,4	16,5	15,8	15,1
Colour (u.Pt-Co)	<5	<5	<5	<5	<5
Conductivity at 20 °C (µS/cm)	830	840	830	840	830
Flow (L/s)	2,5	2	0,57	8	3
pH	7,5	7,8	7,5	7,5	7,6
Langelier Index at 20°C	0,28	0,62	0,32	0,3	0,34
Manual turbidity (NTU)	1,2	1,4	4,6	1,95	0,33
Online turbidity (NTU)	2,59	0,92	5	2,2	0,94
Free Chlorine (mg/L)	0,91	1,3	0,79	1,22	1,22
Total Chlorine (mg/L)	1,27	1,66	1,12	1,28	1,31
Al (µg/L)	88,1	74,5	48	57,3	54
NH₄ (mg/L)	<0.15	<0.15	<0.15	<0.15	<0.15
Sb (µg/L)	<0.5	<0.5	<0.5	<0.5	<0.5
As (µg/L)	<0.5	<0.5	0,6	<0.5	<0.5
B (µg/L)	0,05	0,048	0,048	0,047	0,047
Bromodichloromethane (µg/L)	3,8	3,2	4,1	4,2	3,9
Cd (µg/L)	<0.05	<0.05	<0.05	<0.05	<0.05
Dissolved Ca (mg/L)	109	112	114	113	108
Total Organic Carbon (mg/L)	2,1	2,2	1,1	2,8	2,5
Chlorodibromomethane (µg/L)	10	8,1	11	10	9,5
Chlorides (mg/L Cl)	76,5	73,4	76,3	78,3	71,7
Cu (mg/L)	<0.002	<0.002	<0.002	<0.002	<0.002

Cr (III + VI) (µg/L)	<1	<1	<1	<1	<1
Total Hardness (Tít. Hidrot.) (°F)	43	43	43	44	42
Fluorines (mg/L F)	0,41	0,39	0,41	0,45	0,24
Fe (µg/L)	17,1	2,2	2,3	14,5	13,1
Dissolved Mg (mg/L)	38	37	36	38	37
Mn (µg/L)	1,7	<1	12,9	8,5	1,5
Hg (µg/L)	<0.07	<0.07	<0.07	<0.07	0,12
Ni (µg/L)	<1	<1	1,5	<1	<1
NO₃ (mg/L)	5,5	4,5	4,4	4	3,6
NO₂ (mg/L)	<0.02	<0.02	<0.02	<0.02	<0.02
PO₄³⁻ (mg/L)	<0.2	<0.2	<0.2	<0.2	<0.2
Pb (µg/L)	<1	<1	1,3	<1	1,5
Se (µg/L)	0,9	0,8	0,7	0,8	0,7
Na (mg/L)	42	42	43	43	42
SO₄²⁻ (mg/L)	255	246	252	257	254
Tít. Alcalim. Completo (mg/L CaCO₃)	160	190	180	180	140
Tribromomethane (µg/L)	8,4	6,3	9,3	7,8	7,8
Trichloromethane (µg/L)	1,1	1,1	<1	1	<1
Total of THMs (µg/L)	23	19	24	23	21