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

<b>Cr ( III + VI ) (µg/L)</b>	<1	<1	<1	<1	<1
<b>Total Hardness (Tít. Hidrot.) (°F)</b>	43	43	43	44	42
<b>Fluorines (mg/L F)</b>	0,41	0,39	0,41	0,45	0,24
<b>Fe (µg/L)</b>	17,1	2,2	2,3	14,5	13,1
<b>Dissolved Mg (mg/L)</b>	38	37	36	38	37
<b>Mn (µg/L)</b>	1,7	<1	12,9	8,5	1,5
<b>Hg (µg/L)</b>	<0.07	<0.07	<0.07	<0.07	0,12
<b>Ni (µg/L)</b>	<1	<1	1,5	<1	<1
<b>NO<sub>3</sub> (mg/L)</b>	5,5	4,5	4,4	4	3,6
<b>NO<sub>2</sub> (mg/L)</b>	<0.02	<0.02	<0.02	<0.02	<0.02
<b>PO<sub>4</sub><sup>3-</sup> (mg/L)</b>	<0.2	<0.2	<0.2	<0.2	<0.2
<b>Pb (µg/L)</b>	<1	<1	1,3	<1	1,5
<b>Se (µg/L)</b>	0,9	0,8	0,7	0,8	0,7
<b>Na (mg/L)</b>	42	42	43	43	42
<b>SO<sub>4</sub><sup>2-</sup> (mg/L)</b>	255	246	252	257	254
<b>Tít. Alcalim. Completo (mg/L CaCO<sub>3</sub>)</b>	160	190	180	180	140
<b>Tribromomethane (µg/L)</b>	8,4	6,3	9,3	7,8	7,8
<b>Trichloromethane (µg/L)</b>	1,1	1,1	<1	1	<1
<b>Total of THMs (µg/L)</b>	23	19	24	23	21