

Sutton Water Quality Zone (SU)								
Schedule 1 Parameters								
	Units	PCV	Number of samples	Number of Samples contravening PCV	% No. of samples contravening PCV	Minimum	Mean	Maximum
Colour	mg/l Pt/Co	20	54	0	0	<1.0	1.59	3
Turbidity	FTU	4	54	0	0	<0.1	0.10	0.18
Odour	Dil Number	0	55	0	0	0	0	0
Taste	Dil Number	0	54	0	0	0	0	0
Sodium	mg/l	200	10	0	0	17	24.94	34.3
Nitrate (as NO3)	mg/l	50	10	0	0	14.7	28.7	38.6
Nitrite (as NO2)	mg/l	0.1	10	0	0	<0.0060	<0.0060	<0.0060
Nitrate/Nitrite Ratio	mg/l	1	10	0	0	0.30	0.58	0.77
Aluminium	ug/l	200	54	0	0	<5	10.6	22.3
Iron	ug/l	200	54	0	0	<4	9.1	31.6
Manganese	ug/l	50	54	0	0	<0.9	2.25	6.9
Copper	mg/l	2	10	0	0	0.008	0.03	0.08
Fluoride	mg/l	1.5	10	0	0	0.76	0.95	1.03
Arsenic	ug/l	10	10	0	0	0.5	0.79	0.9
Cadmium	ug/l	5	10	0	0	<0.060	0.14	0.2
Chromium	ug/l	50	10	0	0	<0.3	0.36	0.7
Nickel	ug/l	20	10	0	0	1	2.07	7.9
Lead	ug/l	10	10	0	0	<0.5	0.85	3.6
Antimony	ug/l	5	10	0	0	<0.10	0.30	0.7
Selenium	ug/l	10	10	0	0	<0.4	0.54	0.7
PAH	ug/l	0.1	10	0	0	0	0	0
Escherichia coli	No./100ml	0	178	0	0	0	0	0
Intestinal Enterococci	cfu/100ml	0	10	0	0	0	0	0
Boron	mg/l	1	10	0	0	<0.05	0.08	0.09
Benzo(a)pyrene	ug/l	0.01	10	0	0	<0.002	<0.002	<0.002
Trihalomethanes (total)	ug/l	100	7	0	0	33.5	50.6	73.3
Bromate	ug/l	10	10	0	0	<0.40	0.5	0.8

Indicator Parameters								
	Units	PCV	Number of samples	Number of Samples contravening PCV	% No. of samples contravening PCV	Minimum	Mean	Maximum
pH		-	54	0	0	7	7.25	7.5
Sulphate (as SO4)	mg/l	250	10	0	0	31.8	59.35	89.6
Ammonium (as NH4)	mg/l	0.5	54	0	0	<0.04	<0.04	<0.04
Total coliforms	No./100ml	0	178	0	0	0	0	0
3 day count, 22 deg C	cfu/ml	-	54	0	0	0	1.52	10
Free chlorine	mg/l	-	179	0	0	0.03	0.13	0.45
Total chlorine	mg/l	-	179	0	0	0.03	0.25	0.58
Conductivity	uS/cm	2500	54	0	0	428	502.9	568
Chloride	mg/l	250	10	0	0	44	55.5	65

\* All of the samples collected from this zone in 2019 complied with the Water Supply (Water Quality) (Amendment) Regulations 2018. Supplies to this zone are fluoridated up to a level of 1mg/l