

2014 Reporting Year

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	53	0	0	<0.90	2.28	4.7
Turbidity	FTU	4	53	0	0	0.1	0.188	0.39
Odour	Dil Number	0	53	0	0	0	0	0
Taste	Dil Number	0	53	0	0	0	0	0
Sodium	mg/l	200	10	0	0	17.6	27.07	43.2
Nitrate (as NO3)	mg/l	50	10	0	0	14.9	29.01	36.9
Nitrite (as NO2)	mg/l	0.1	10	0	0	<0.007	<0.007	<0.007
Nitrate/Nitrite Ratio	mg/l	1	10	0	0	0.298	0.58	0.739
Aluminium	ug/l	200	53	0	0	4.41	14.184	62.1
Iron	ug/l	200	53	0	0	<4.0	8.38	38.7
Manganese	ug/l	50	53	0	0	<2.0	2.93	10.3
Copper	mg/l	2	10	0	0	<0.004	0.020	0.054
Fluoride	mg/l	1.5	10	0	0	0.929	0.995	1.05
Arsenic	ug/l	10	10	0	0	0.5	0.771	0.91
Cadmium	ug/l	5	10	0	0	<0.10	<0.10	<0.10
Chromium	ug/l	50	10	0	0	0.7	0.7	0.7
Nickel	ug/l	20	10	0	0	0.84	1.29	1.98
Lead	ug/l	10	10	0	0	<0.10	0.75	2.14
Antimony	ug/l	5	10	0	0	0.12	0.308	0.42
Selenium	ug/l	10	10	0	0	0.19	0.314	0.39
PAH	ug/l	0.1	11	0	0	0	0.0005	0.0051
Escherichia coli	No./100ml	0	181	0	0	0	0	0
Intestinal Enterococci	cfu/100ml	0	10	0	0	0	0	0
Boron	mg/l	1	10	0	0	0.022	0.061	0.088
Benzo(a)pyrene	ug/l	0.01	11	0	0	<0.0005	<0.0005	0.0024
Trihalomethanes (total)	ug/l	100	10	0	0	14.9	39.66	69.4
Bromate	ug/l	10	10	0	0	<0.50	0.605	2.1
Indicator Parameters								
	Units	PCV	Number of samples	Number of Samples contravening PCV	% No. of samples contravening PCV	Minimum	Mean	Maximum
pH		-	53	0	0	7.06	7.39	7.77
Sulphate (as SO4)	mg/l	250	10	0	0	45.2	58.47	73.3
Ammonium (as NH4)	mg/l	0.5	53	0	0	<0.064	<0.064	<0.064
Total coliforms	No./100ml	0	181	0	0	0	0	0
3 day count,22 deg C	cfu/ml	-	53	0	0	0	2.16	37
Total chlorine	mg/l	-	181	0	0	0.07	0.19	0.38
2 day count,37 deg C	cfu/ml	-	53	0	0	0	3.73	122
Conductivity	uS/cm	2500	53	0	0	396	497.2	551
Chloride	mg/l	250	10	0	0	42	49.3	68

* All of the samples collected from this zone in 2014 complied with the Water Supply (Water Quality) Regulations 2010. Supplies to this zone are fluoridated up to a level of 1mg/l.