

Sutton Water Quality Zone (SU)

Schedule 1 Parameters

	Units	PCV	Number of samples	Number of samples greater than PCV	% greater than PCV	Number of samples greater than authorised departure	% greater than authorised departure	Minimum	Mean	Maximum
Colour	mg/l Pt/Co	20	53	0	0	-	-	<0.4000	1.2509	3.1
Turbidity	FTU	4	53	0	0	-	-	<0.0300	0.0702	0.47
Odour (quantitative)	Dil Number	0	53	0	0	-	-	0	0	0
Taste (quantitative)	Dil Number	0	53	0	0	-	-	0	0	0
Sodium	mg/l	150	10	0	0	-	-	18	28.8	35
Nitrate (as NO3)	mg/l	50	10	0	0	-	-	20.7	37.52	44.7
Nitrite (as NO2)	mg/l	0.1	10	0	0	-	-	<0.0030	0.0039	0.009
Nitrate/Nitrite Ratio	mg/l	1	10	0	0	-	-	0.56	0.921	1
Aluminium	ug/l	200	53	0	0	-	-	<8.0000	<8.0000	22
Iron	ug/l	200	53	0	0	-	-	<10.0000	<10.0000	84
Manganese	ug/l	50	53	0	0	-	-	<2.1000	3.8321	12
Copper (New Reg Limit)	mg/l	2	10	0	0	-	-	<0.0030	0.017	0.061
Fluoride	ug/l	1500	10	0	0	-	-	0.851	0.974	1.06
Arsenic (New Regs Limit)	ug/l	10	10	0	0	-	-	0.41	0.865	1.2
Cadmium	ug/l	5	10	0	0	-	-	0.1	0.189	0.24
Chromium	ug/l	50	10	0	0	-	-	<0.7	0.71	0.8
Nickel (New Reg Limit)	ug/l	20	10	0	0	-	-	1.2	1.69	2.3
Lead (New Reg Limit)	ug/l	25	10	0	0	-	-	<0.5	0.84	3.9
Antimony (New Reg Limit)	ug/l	5	10	0	0	-	-	<0.1700	0.2185	0.36
Selenium	ug/l	10	10	0	0	-	-	<0.3000	0.376	0.67
Total PAHs (4 Det Total)	ug/l	0.1	10	0	0	-	-	0	0.0001	0.0010
Escherichia coli	No./100ml	0	179	0	0	-	-	0	0	0
Intestinal Enterococci	cfu/100ml	0	10	0	0	-	-	0	0	0
Boron (New Reg Limit)	mg/l	1	10	0	0	-	-	<0.017	0.0627	0.0880
Benzo(a)pyrene	ug/l	0.01	10	0	0	-	-	<0.001	<0.001	<0.001
Trihalomethanes (total)	ug/l	100	11	0	0	-	-	16.16	32.2536	50.55
Bromate	ug/l	10	10	0	0	-	-	<0.6000	<0.6000	<0.6000

Indicator Parameters

	Units	PCV	Number of samples	Number of samples greater than specification	% greater than specification	Minimum	Mean	Maximum
pH		9.5	53	0	0	6.9	7.2396	7.4
Sulphate (as SO4)	mg/l	250	10	0	0	39.6	59.91	76.5
Ammonium (as NH4)	mg/l	0.5	53	0	0	<0.0090	0.0115	0.023
Total organic carbon	mg/l	-	10	0	0	1.25	2.02	3.31
Total coliforms	No./100ml	0	179	0	0	0	0	0
Clostridium perfringens	No./100ml	0	53	0	0	0	0	0
3 day count, 22 deg C	cfu/ml	-	53	0	0	0	5.9811	102
Total chlorine	mg/l	-	179	0	0	0.06	0.1511	0.35
2 day count, 37 deg C	cfu/ml	-	53	0	0	0	4.2075	85
Conductivity	uS/cm	1500	53	0	0	420	510.283	580
Chloride	mg/l	250	10	0	0	42.4	46.79	57.4

All of the results collected from this zone in 2010 complied with the Water Supply (Water Quality) Regulations 2000 (amended) 2007. Supplies to this zone are fluoridated up to a level of 1000µg/l.