

Winshill Water Quality Zone (WIN)

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	38	0	0	-	-	<0.4000	0.7026	2.5
Turbidity	FTU	4	38	0	0	-	-	<0.0300	0.0626	0.21
Odour (quantitative)	Dil Number	0	38	0	0	-	-	0	0	0
Taste (quantitative)	Dil Number	0	38	0	0	-	-	0	0	0
Sodium	mg/l	150	10	0	0	-	-	17	52.3	71
Nitrate (as NO3)	mg/l	50	10	0	0	-	-	<0.2800	4.014	13.1
Nitrite (as NO2)	mg/l	0.1	10	0	0	-	-	<0.0030	0.0044	0.009
Nitrate/Nitrite Ratio	mg/l	1	10	0	0	-	-	0.37	0.811	1
Aluminium	ug/l	200	38	0	0	-	-	<8.0000	<8.0000	14
Iron	ug/l	200	38	0	0	-	-	<10.0000	<10.0000	43
Manganese	ug/l	50	38	0	0	-	-	<2.1000	<2.1000	3.3
Copper (New Reg Limit)	mg/l	2	10	0	0	-	-	<0.0030	0.0108	0.043
Fluoride	ug/l	1500	10	0	0	-	-	0.861	0.9619	1.03
Arsenic (New Regs Limit)	ug/l	10	10	0	0	-	-	0.51	1.1	2
Cadmium	ug/l	5	10	0	0	-	-	<0.06	<0.06	<0.06
Chromium	ug/l	50	10	0	0	-	-	<0.7	<0.7	<0.7
Nickel (New Reg Limit)	ug/l	20	10	0	0	-	-	<0.9	<0.90	1.1
Lead (New Reg Limit)	ug/l	25	10	0	0	-	-	<0.5	1.5	9
Antimony (New Reg Limit)	ug/l	5	10	0	0	-	-	<0.1700	0.4585	1.3
Selenium	ug/l	10	10	0	0	-	-	<0.3000	0.354	0.64
Total PAHs (4 Det Total)	ug/l	0.1	10	0	0	-	-	0	0	0
Escherichia coli	No./100ml	0	94	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	0.0612	0.0780
Benzo(a)pyrene	ug/l	0.01	10	0	0	-	-	<0.001	<0.001	<0.001
Trihalomethanes (total)	ug/l	100	10	0	0	-	-	0	4.704	19.69
Bromate	ug/l	10	10	0	0	-	-	<0.6000	0.8100	2.7000

Indicator Parameters

	Units	PCV	Number of samples	Number of samples greater than specification	% greater than specification	Minimum	Mean	Maximum
pH		9.5	38	0	0	7.1	7.4737	7.7
Sulphate (as SO4)	mg/l	250	9	0	0	63.4	121.0778	155
Ammonium (as NH4)	mg/l	0.5	38	0	0	<0.0090	0.0252	0.075
Total organic carbon	mg/l	-	10	0	0	0.27	0.953	2.09
Total coliforms	No./100ml	0	94	0	0	0	0	0
Clostridium perfringens	No./100ml	0	38	0	0	0	0	0
3 day count,22 deg C	cfu/ml	-	38	0	0	0	5.6053	82
Total chlorine	mg/l	-	94	0	0	0.03	0.1653	0.4
2 day count,37 deg C	cfu/ml	-	38	0	0	0	1.0263	9
Conductivity	uS/cm	1500	38	0	0	466	694.8947	854
Chloride	mg/l	250	10	0	0	34.7	55.74	73.1

All of the samples 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.