

Shavers End 2 Water Quality Zone (SV2)

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	54	0	0	-	-	<0.4000	0.5722	3.4
Turbidity	FTU	4	54	0	0	-	-	<0.0300	0.0756	0.59
Odour (quantitative)	Dil Number	0	54	0	0	-	-	0	0	0
Taste (quantitative)	Dil Number	0	54	0	0	-	-	0	0	0
Sodium	mg/l	150	10	0	0	-	-	23	25.4	27
Nitrate (as NO3)	mg/l	50	10	0	0	-	-	23.9	36.37	41.8
Nitrite (as NO2)	mg/l	0.1	10	0	0	-	-	<0.0030	0.0047	0.009
Nitrate/Nitrite Ratio	mg/l	1	10	0	0	-	-	0.71	0.929	1
Aluminium	ug/l	200	54	0	0	-	-	<8.0000	<8.0000	65
Iron	ug/l	200	54	0	0	-	-	<10.0000	12.2407	133
Manganese	ug/l	50	54	0	0	-	-	<2.1000	<2.1000	11
Copper (New Reg Limit)	mg/l	2	10	0	0	-	-	<0.0030	0.0435	0.3
Fluoride	ug/l	1500	10	0	0	-	-	0.853	0.9864	1.08
Arsenic (New Regs Limit)	ug/l	10	10	0	0	-	-	<0.37	0.504	0.67
Cadmium	ug/l	5	10	0	0	-	-	<0.06	0.094	0.13
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	1.49	1.9
Lead (New Reg Limit)	ug/l	25	10	0	0	-	-	<0.5	1.68	6.5
Antimony (New Reg Limit)	ug/l	5	10	0	0	-	-	<0.1700	<0.1700	0.085
Selenium	ug/l	10	10	0	0	-	-	<0.3000	<0.3000	0.54
Total PAHs (4 Det Total)	ug/l	0.1	10	0	0	-	-	0	0	0
Escherichia coli	No./100ml	0	177	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	0.0549	0.0790
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	14.568	47.87
Bromate	ug/l	10	10	0	0	-	-	<0.6000	0.5200	2.5000
Indicator Parameters										
	Units	PCV	Number of samples	Number of samples greater than specification	% greater than specification	Minimum	Mean	Maximum		
pH		9.5	54	0	0	6.6	6.8259	7.2		
Sulphate (as SO4)	mg/l	250	10	0	0	30.8	45.41	49.9		
Ammonium (as NH4)	mg/l	0.5	54	0	0	<0.0090	<0.0090	0.018		
Total organic carbon	mg/l	-	10	0	0	0.37	0.793	2.21		
Total coliforms	No./100ml	0	177	0	0	0	0	0		
Clostridium perfringens	No./100ml	0	54	0	0	0	0	0		
3 day count, 22 deg C	cfu/ml	-	54	0	0	0	7.9074	172		
Total chlorine	mg/l	-	177	0	0	<0.0200	0.1497	0.45		
2 day count, 37 deg C	cfu/ml	-	54	0	0	0	4.8519	55		
Conductivity	uS/cm	1500	54	0	0	343	452	521		
Chloride	mg/l	250	10	0	0	41.9	45.61	50.2		

All of the samples collected from this zone in 2010 complied with the Water Supply (Water Quality) Regulations 2000 (amended) 2007. All unsatisfactory samples were resampled and were found to comply with the regulations. Supplies to this zone are fluoridated up to a level of 1000µg/l.