

Shavers End Water Quality Zone (SV)								
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	<1.00	<1.00	<1.00
Turbidity	FTU	4	53	0	0	<0.1	0.1	0.11
Odour	Dil Number	0	53	0	0	0	0	0
Taste	Dil Number	0	54	0	0	0	0	0
Sodium	mg/l	200	10	0	0	20.8	23.17	25.9
Nitrate (as NO3)	mg/l	50	10	0	0	23.8	33.52	42.2
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	0.48	0.67	0.85
Aluminium	ug/l	200	53	0	0	<5	6.0	25.9
Iron	ug/l	200	53	0	0	<4	5.2	21
Manganese	ug/l	50	53	0	0	<0.9	0.98	2.7
Copper	mg/l	2	10	0	0	<0.004	0.05	0.24
Fluoride	mg/l	1.5	10	0	0	0.14	0.74	1.02
Arsenic	ug/l	10	10	0	0	0.5	0.58	0.7
Cadmium	ug/l	5	10	0	0	<0.06	0.11	0.24
Chromium	ug/l	50	10	0	0	<0.3	<0.3	<0.3
Nickel	ug/l	20	10	0	0	1.2	1.52	2
Lead	ug/l	10	10	0	0	0.5	0.6	1.5
Antimony	ug/l	5	10	0	0	<0.1	<0.1	<0.1
Selenium	ug/l	10	10	0	0	<0.4	0.5	0.7
PAH	ug/l	0.1	10	0	0	0	0	0
Escherichia coli	No./100ml	0	191	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	0.06	0.07
Benzo(a)pyrene	ug/l	0.01	10	0	0	<0.002	<0.002	<0.002
Trihalomethanes (total)	ug/l	100	9	0	0	2.5	7.7	21.9
Bromate	ug/l	10	10	0	0	<0.4	0.42	0.6

Indicator Parameters								
	Units	PCV	Number of samples	Number of Samples contravening PCV	% No. of samples contravening PCV	Minimum	Mean	Maximum
pH		-	53	0	0	6.7	7.0	7.3
Sulphate (as SO4)	mg/l	250	10	0	0	43.6	47.1	50.4
Ammonium (as NH4)	mg/l	0.5	53	0	0	<0.04	<0.04	<0.04
Total coliforms	No./100ml	0	191	0	0	0	0	0
3 day count, 22 deg C	cfu/ml	-	53	0	0	0	1.6	20
Free chlorine	mg/l	-	192	0	0	0.03	0.20	0.46
Total chlorine	mg/l	-	192	0	0	0.07	0.25	0.65
Conductivity	uS/cm	2500	53	0	0	377	455.1	504
Chloride	mg/l	250	10	0	0	45	47	51

* 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