

Shavers End 2 Water Quality Zone (SV2)								
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	54	0	0	<1.00	1.03	2
Turbidity	FTU	4	54	0	0	<0.1	0.10	0.12
Odour	Dil Number	0	54	0	0	0	0	0
Taste	Dil Number	0	54	0	0	0	0	0
Sodium	mg/l	200	10	0	0	19.2	24.6	29.5
Nitrate (as NO3)	mg/l	50	10	0	0	32.9	34.31	36.4
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	0.66	0.69	0.73
Aluminium	ug/l	200	54	0	0	<5	5.43	12.8
Iron	ug/l	200	54	0	0	<4.0	6.68	59
Manganese	ug/l	50	54	0	0	<0.9	0.92	1.5
Copper	mg/l	2	10	0	0	0.006	0.02	0.07
Fluoride	mg/l	1.5	10	0	0	0.73	0.90	0.99
Arsenic	ug/l	10	10	0	0	<0.5	0.54	0.6
Cadmium	ug/l	5	10	0	0	<0.06	0.108	0.15
Chromium	ug/l	50	10	0	0	<0.3	0.38	1
Nickel	ug/l	20	10	0	0	1.1	1.73	2.7
Lead	ug/l	10	10	0	0	<0.5	0.62	1.5
Antimony	ug/l	5	10	0	0	<0.1	<0.1	<0.1
Selenium	ug/l	10	10	0	0	<0.4	0.47	0.6
PAH	ug/l	0.1	10	0	0	0	0.0003	0.003
Escherichia coli	No./100ml	0	192	0	0	0	0	0
Intestinal Enterococci	cfu/100ml	0	10	0	0	0	0	0
Boron	mg/l	1	10	0	0	0.06	0.06	0.073
Benzo(a)pyrene	ug/l	0.01	10	0	0	<0.002	0.0021	0.003
Trihalomethanes (total)	ug/l	100	9	0	0	2.8	9.5	21.9
Bromate	ug/l	10	10	0	0	<0.40	0.45	0.7

Indicator Parameters								
	Units	PCV	Number of samples	Number of Samples contravening PCV	% No. of samples contravening PCV	Minimum	Mean	Maximum
pH		-	54	0	0	6.8	7.0	7.5
Sulphate (as SO4)	mg/l	250	10	0	0	45.2	47.7	49.4
Ammonium (as NH4)	mg/l	0.5	54	0	0	<0.04	<0.04	<0.04
Total coliforms	No./100ml	0	192	0	0	0	0	0
3 day count, 22 deg C	cfu/ml	-	54	0	0	0	0.69	24
Free chlorine	mg/l	-	192	0	0	0.03	0.18	0.44
Total chlorine	mg/l	-	192	0	0	0.04	0.23	0.56
Conductivity	uS/cm	2500	54	0	0	385	457.72	571
Chloride	mg/l	250	10	0	0	46	48.9	53

* 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