

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	<1.70	<1.70	2
Turbidity	FTU	1	54	0	0	0.1	0.10	0.3
Odour	Dil Number	0	55	0	0	0	0	0
Taste	Dil Number	0	55	0	0	0	0	0
Sodium	mg/l	200	8	0	0	21.4	26.23	40.9
Nitrate (as NO3)	mg/l	50	8	0	0	20.7	31.01	34.8
Nitrite (as NO2)	mg/l	0.1	8	0	0	<0.01	<0.01	<0.01
Nitrate/Nitrite Ratio	mg/l	1	8	0	0	0.42	0.62	0.70
Aluminium	ug/l	-	54	0	0	5	6.92	35.6
Iron	ug/l	200	54	0	0	<4.00	5.73	32.3
Manganese	ug/l	50	54	0	0	0.9	1.00	3.3
Copper	mg/l	2	8	0	0	0.004	0.038	0.230
Fluoride	ug/l	1500	8	0	0	0.50	0.88	1.02
Arsenic	ug/l	10	8	0	0	0.5	0.6	0.8
Cadmium	ug/l	5	8	0	0	<0.10	<0.10	0.11
Chromium	ug/l	50	8	0	0	<0.70	<0.70	0.35
Nickel	ug/l	20	8	0	0	<0.80	1.06	2.3
Lead	ug/l	10	8	0	0	0.5	1.38	2.9
Antimony	ug/l	5	8	0	0	<0.10	<0.10	0.1
Selenium	ug/l	10	8	0	0	0.4	0.48	0.5
PAH	ug/l	0.1	8	0	0	0	0	0
Escherichia coli	No./100ml	0	173	0	0	0	0	0
Intestinal Enterococci	cfu/100ml	0	8	0	0	0	0	0
Boron	mg/l	1	8	0	0	0.05	0.05	0.062
Benzo(a)pyrene	ug/l	0.01	8	0	0	<0.002	<0.002	<0.002
Trihalomethanes (total)	ug/l	100	8	0	0	18.8	32.18	61.1
Bromate	ug/l	10	8	0	0	<0.50	0.63	2.1

Indicator Parameters

	Units	PCV	Number of samples	Number of Samples contravening PCV	% No. of samples contravening PCV	Minimum	Mean	Maximum
pH		-	54	0	0	6.7	7.11	8
Sulphate (as SO4)	mg/l	250	8	0	0	37.7	44.58	48.8
Ammonium (as NH4)	mg/l	0.5	54	0	0	0.04	0.04	0.04
Total coliforms	No./100ml	0	173	0	0	0	0	0
Free chlorine	mg/l	-	174	0	0	0.03	0.21	0.52
Total chlorine	mg/l	-	174	0	0	0.03	0.29	0.66
Conductivity	uS/cm	2500	54	0	0	340	437.13	542
Chloride	mg/l	250	8	0	0	45	50.13	70

* All of the samples collected from this zone in 2018 complied with the Water Supply (Water Quality) (Amendment) Regulations 2018. Supplies to this zone are fluoridated up to a level of 1mg/l