

2014 Reporting Year

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	56	0	0	<0.90	0.96	2.9
Turbidity	FTU	4	56	0	0	<0.08	0.105	0.25
Odour	Dil Number	0	56	0	0	0	0	0
Taste	Dil Number	0	56	0	0	0	0	0
Sodium	mg/l	200	11	0	0	22.6	25.42	28.7
Nitrate (as NO3)	mg/l	50	11	0	0	21.3	31.24	40.6
Nitrite (as NO2)	mg/l	0.1	11	0	0	<0.007	<0.007	<0.007
Nitrate/Nitrite Ratio	mg/l	1	11	0	0	0.426	0.625	0.812
Aluminium	ug/l	200	56	0	0	<2.0	2.29	12
Iron	ug/l	200	56	0	0	<4.0	4.375	24.5
Manganese	ug/l	50	56	0	0	<2.0	<2.0	2.6
Copper	mg/l	2	11	0	0	0.007	0.019	0.078
Fluoride	mg/l	1.5	11	0	0	0.866	1.02	1.12
Arsenic	ug/l	10	11	0	0	0.33	0.546	0.7
Cadmium	ug/l	5	11	0	0	<0.1	1.48	0.25
Chromium	ug/l	50	11	0	0	0.7	0.7	0.7
Nickel	ug/l	20	11	0	0	0.89	1.289	1.64
Lead	ug/l	10	0	0	0	<0.10	0.892	7.08
Antimony	ug/l	5	11	0	0	<0.10	<0.10	<0.10
Selenium	ug/l	10	11	0	0	0.16	0.25	0.37
PAH	ug/l	0.1	10	0	0	0	0	0
Escherichia coli	No./100ml	0	186	0	0	0	0	0
Intestinal Enterococci	cfu/100ml	0	11	0	0	0	0	0
Boron	mg/l	1	11	0	0	0.026	0.054	0.087
Benzo(a)pyrene	ug/l	0.01	10	0	0	<0.0005	<0.0005	<0.0005
Trihalomethanes (total)	ug/l	100	10	0	0	0	4.26	11.2
Bromate	ug/l	10	11	0	0	<0.50	<0.50	1.1
Indicator Parameters								
	Units	PCV	Number of samples	Number of Samples contravening PCV	% No. of samples contravening PCV	Minimum	Mean	Maximum
pH		-	56	0	0	6.77	7.11	7.45
Sulphate (as SO4)	mg/l	250	11	0	0	33.9	46.75	55.9
Ammonium (as NH4)	mg/l	0.5	56	0	0	<0.064	<0.064	<0.064
Total coliforms	No./100ml	0	186	0	0	0	0	0
3 day count,22 deg C	cfu/ml	-	56	0	0	0	1.76	46
Total chlorine	mg/l	-	185	0	0	0.06	0.213	0.62
2 day count,37 deg C	cfu/ml	-	56	0	0	0	1.92	43
Conductivity	uS/cm	2500	57	0	0	301	443.7	538
Chloride	mg/l	250	11	0	0	41	45.09	51

* All of the samples collected from this zone in 2014 complied with the Water Supply (Water Quality) Regulations 2010. Supplies to this zone are fluoridated up to a level of 1mg/l.