

Cannock High 1 Water Quality Zone (CH1)								
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	1.57	3
Turbidity	FTU	4	54	0	0	<0.1	0.10	0.19
Odour	Dil Number	0	55	0	0	0	0	0
Taste	Dil Number	0	54	0	0	0	0	0
Sodium	mg/l	200	10	0	0	10	18.01	37.1
Nitrate (as NO3)	mg/l	50	10	0	0	16.9	22.58	30
Nitrite (as NO2)	mg/l	0.1	10	0	0	<0.006	<0.006	<0.006
Nitrate/Nitrite Ratio	mg/l	1	10	0	0	0.34	0.45	0.60
Aluminium	ug/l	200	54	0	0	<5.0	9.17	32.9
Iron	ug/l	200	54	0	0	<4.0	6.59	24.5
Manganese	ug/l	50	54	0	0	<0.9	1.42	7.4
Copper	mg/l	2	10	0	0	<0.004	0.03	0.10
Fluoride	mg/l	1.5	10	0	0	0.20	0.89	1.02
Arsenic	ug/l	10	10	0	0	<0.5	1.23	2.3
Cadmium	ug/l	5	9	0	0	<0.06	0.97	0.19
Chromium	ug/l	50	9	0	0	<0.3	<0.3	<0.3
Nickel	ug/l	20	10	0	0	0.4	1.67	9.7
Lead	ug/l	10	10	0	0	<0.5	0.5	0.5
Antimony	ug/l	5	10	0	0	<0.1	0.40	0.6
Selenium	ug/l	10	10	0	0	<0.4	0.57	0.8
PAH	ug/l	0.1	10	0	0	0	0.0004	0.004
Escherichia coli	No./100ml	0	146	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	0.07	0.1
Benzo(a)pyrene	ug/l	0.01	10	0	0	<0.002	<0.002	<0.002
Trihalomethanes (total)	ug/l	100	10	0	0	6.3	30.17	60
Bromate	ug/l	10	10	0	0	<0.4	0.61	2.2

Indicator Parameters								
	Units	PCV	Number of samples	Number of Samples contravening PCV	% No. of samples contravening PCV	Minimum	Mean	Maximum
pH		-	54	0	0	7.1	7.37	7.8
Sulphate (as SO4)	mg/l	250	10	0	0	38.4	52.6	86.2
Ammonium (as NH4)	mg/l	0.5	54	0	0	<0.04	<0.04	<0.04
Total coliforms	No./100ml	0	146	0	0	0	0	0
3 day count, 22 deg C	cfu/ml	100	55	0	0	0	6.49	300
Free chlorine	mg/l	-	145	0	0	0.03	0.21	0.58
Total chlorine	mg/l	-	144	0	0	0.09	0.31	0.69
Conductivity	uS/cm	2500	54	0	0	364	463.19	550
Chloride	mg/l	250	10	0	0	29	43.9	61

* 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