

Hopwas Water Quality Zone (HW)								
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	26	0	0	<1.00	2.10	8
Turbidity	FTU	4	26	0	0	<0.1	0.1319	0.55
Odour	Dil Number	0	26	0	0	0	0	0
Taste	Dil Number	0	26	0	0	0	0	0
Sodium	mg/l	200	10	0	0	12.7	19.12	22.8
Nitrate (as NO3)	mg/l	50	10	0	0	14.4	24.18	31.6
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	0.29	0.49	0.634
Aluminium	ug/l	200	26	0	0	<5	15.38	88.2
Iron	ug/l	200	26	1	3.85	<4.0	28.87	263
Manganese	ug/l	50	26	0	0	<0.9	2.62	22.8
Copper	mg/l	2	10	0	0	<0.004	0.02	0.10
Fluoride	mg/l	1.5	10	0	0	0.82	0.92	1.04
Arsenic	ug/l	10	10	0	0	<0.5	0.87	1.1
Cadmium	ug/l	5	10	0	0	<0.060	<0.060	<0.060
Chromium	ug/l	50	10	0	0	<0.3	<0.3	<0.3
Nickel	ug/l	20	10	0	0	0.4	0.82	1.3
Lead	ug/l	10	10	0	0	<0.5	<0.5	<0.5
Antimony	ug/l	5	10	0	0	<0.1	0.38	0.7
Selenium	ug/l	10	10	0	0	<0.4	0.55	0.7
PAH	ug/l	0.1	10	0	0	0	0	0
Escherichia coli	No./100ml	0	70	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	0.09
Benzo(a)pyrene	ug/l	0.01	10	0	0	<0.002	<0.002	<0.002
Trihalomethanes (total)	ug/l	100	9	0	0	12.3	36.8	55.2
Bromate	ug/l	10	10	0	0	<0.4	0.53	0.9

Indicator Parameters								
	Units	PCV	Number of samples	Number of Samples contravening PCV	% No. of samples contravening PCV	Minimum	Mean	Maximum
pH		-	26	0	0	7	7.29	7.6
Sulphate (as SO4)	mg/l	250	10	0	0	47.1	70.49	96.7
Ammonium (as NH4)	mg/l	0.5	26	0	0	<0.04	<0.04	<0.04
Total coliforms	No./100ml	0	70	0	0	0	0	0
3 day count, 22 deg C	cfu/ml	-	26	0	0	0	0.58	8
Free chlorine	mg/l	-	70	0	0	0.03	0.26	0.68
Total chlorine	mg/l	-	70	0	0	0.07	0.41	0.72
Conductivity	uS/cm	2500	26	0	0	417	558.5	674
Chloride	mg/l	250	10	0	0	44	69.3	94

* With the exception of the Iron parameters all of the samples collected from this zone in 2019 complied with the Water Supply (Water Quality) (Amendment) Regulations 2018. The unsatisfactory samples were resampled and were found to comply with the regulations. Supplies to this zone are fluoridated up to a level of 1mg/l