

Walsall Water Quality Zone (WA)								
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	78	0	0	<1.00	1.73	4
Turbidity	FTU	1	78	0	0	0.1	0.10	0.2
Odour	Dil Number	0	78	0	0	0	0	0
Taste	Dil Number	0	79	0	0	0	0	0
Sodium	mg/l	200	10	0	0	22.9	30.84	43.8
Nitrate (as NO3)	mg/l	50	10	0	0	14.3	19.5	24.9
Nitrite (as NO2)	mg/l	0.1	10	0	0	<0.0060	0.0065	0.011
Nitrate/Nitrite Ratio	mg/l	1	10	0	0	0.29	0.39	0.5
Aluminium	ug/l	-	78	0	0	<5	14.71	35.8
Iron	ug/l	200	78	0	0	<4.0	6.86	34.5
Manganese	ug/l	50	78	0	0	<0.9	1.46	3.9
Copper	mg/l	2	10	0	0	<0.004	0.012	0.072
Fluoride	mg/l	1.5	10	0	0	0.90	0.97	1.01
Arsenic	ug/l	10	10	0	0	<0.5	<0.5	0.5
Cadmium	ug/l	5	10	0	0	<0.06	0.63	0.09
Chromium	ug/l	50	10	0	0	<0.3	<0.3	<0.3
Nickel	ug/l	20	10	0	0	0.7	0.86	1.3
Lead	ug/l	10	10	0	0	0.5	1.02	3.8
Antimony	ug/l	5	10	0	0	<0.1	0.16	0.4
Selenium	ug/l	10	10	0	0	<0.4	0.43	0.6
PAH	ug/l	0.1	10	0	0	0	0	0
Escherichia coli	No./100ml	0	239	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	<0.05	<0.05
Benzo(a)pyrene	ug/l	0.01	10	0	0	<0.002	<0.002	<0.002
Trihalomethanes (total)	ug/l	100	10	0	0	43.7	59.72	73.7
Bromate	ug/l	10	10	0	0	0.9	1.79	3

Indicator Parameters								
	Units	PCV	Number of samples	Number of Samples contravening PCV	% No. of samples contravening PCV	Minimum	Mean	Maximum
pH		-	78	0	0	7.1	7.4	7.8
Sulphate (as SO4)	mg/l	250	10	0	0	22.4	36.52	46.6
Ammonium (as NH4)	mg/l	0.5	78	0	0	<0.04	<0.04	<0.04
Total coliforms	No./100ml	0	239	0	0	0	0	0
3 day count, 22 deg C	cfu/ml	-	78	0	0	0	2.74	51
Free chlorine	mg/l	-	240	0	0	0.03	0.23	0.59
Total chlorine	mg/l	-	240	0	0	0.05	0.38	0.77
Conductivity	uS/cm	2500	78	0	0	306	412.6	533
Chloride	mg/l	250	10	0	0	42	55.3	70

* 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