

## Walsall 1 Water Quality Zone (WA1)

Schedule 1 Parameters										
	Units	PCV	Number of samples	Number of samples greater than PCV	% greater than PCV	Number of samples greater than authorised departure	% greater than authorised departure	Minimum	Mean	Maximum
Colour	mg/l Pt/Co	20	53	0	0	-	-	<0.4000	1.5434	3.5
Turbidity	FTU	4	54	0	0	-	-	<0.0300	0.0873	0.41
Odour (quantitative)	Dil Number	0	53	0	0	-	-	0	0	0
Taste (quantitative)	Dil Number	0	53	0	0	-	-	0	0	0
Sodium	mg/l	150	9	0	0	-	-	23	31.3333	40
Nitrate (as NO3)	mg/l	50	9	0	0	-	-	13	20.5444	30.1
Nitrite (as NO2)	mg/l	0.1	10	0	0	-	-	<0.0030	0.0038	0.009
Nitrate/Nitrite Ratio	mg/l	1	9	0	0	-	-	0.37	0.79	1
Aluminium	ug/l	200	53	0	0	-	-	<8.0000	18.1509	62
Iron	ug/l	200	53	0	0	-	-	<10.0000	<10.0000	42
Manganese	ug/l	50	53	0	0	-	-	<2.1000	3.0151	10
Copper (New Reg Limit)	mg/l	2	9	0	0	-	-	<0.0030	0.0103	0.043
Fluoride	ug/l	1500	9	0	0	-	-	0.81	0.9383	1.01
Arsenic (New Regs Limit)	ug/l	10	9	0	0	-	-	<0.37	0.4	0.58
Cadmium	ug/l	5	9	0	0	-	-	<0.06	<0.06	<0.06
Chromium	ug/l	50	9	0	0	-	-	<0.7	<0.7	<0.7
Nickel (New Reg Limit)	ug/l	20	9	0	0	-	-	<0.9	1.0667	2
Lead (New Reg Limit)	ug/l	25	9	0	0	-	-	<0.5	1.0333	5.3
Antimony (New Reg Limit)	ug/l	5	9	0	0	-	-	<0.1700	<0.1700	0.36
Selenium	ug/l	10	9	0	0	-	-	<0.3000	<0.3000	0.31
Total PAHs (4 Det Total)	ug/l	0.1	10	0	0	-	-	0	0	0
Escherichia coli	No./100ml	0	176	0	0	-	-	0	0	0
Intestinal Enterococci	cfu/100ml	0	10	0	0	-	-	0	0	0
Boron (New Reg Limit)	mg/l	1	9	0	0	-	-	<0.017	0.0338	0.0450
Benzo(a)pyrene	ug/l	0.01	10	0	0	-	-	<0.001	<0.001	<0.001
Trihalomethanes (total)	ug/l	100	10	0	0	-	-	35.03	45.416	55.6
Bromate	ug/l	10	9	0	0	-	-	<0.6000	1.3100	4.2000
Indicator Parameters										
	Units	PCV	Number of samples	Number of samples greater than specification	% greater than specification	Minimum	Mean	Maximum		
pH		9.5	53	0	0	6.8	7.1528	7.3		
Sulphate (as SO4)	mg/l	250	9	0	0	29.2	38.9444	51.5		
Ammonium (as NH4)	mg/l	0.5	53	0	0	<0.0090	0.0112	0.026		
Total organic carbon	mg/l	-	9	0	0	1.93	2.1789	2.59		
Total coliforms	No./100ml	0	176	3	1.70	0	0.0852	9		
Clostridium perfringens	No./100ml	0	53	0	0	0	0	0		
3 day count,22 deg C	cfu/ml	-	53	0	0	0	9.6038	198		
Total chlorine	mg/l	-	176	0	0	0.05	0.2075	0.52		
2 day count,37 deg C	cfu/ml	-	53	0	0	0	10.4717	300		
Conductivity	uS/cm	1500	53	0	0	304	417.1887	538		
Chloride	mg/l	250	10	0	0	46.2	55.41	67.5		

With the exception of the coliform parameter, all of the samples collected from this zone in 2010 complied with the Water Supply (Water Quality) Regulations 2000 (amended) 2007. All unsatisfactory samples were resampled and were found to comply with the regulations. Supplies to this zone are fluoridated up to a level of 1000µg/l.