

2014 Reporting Year

Walsall 1 Water Quality Zone (WA1)								
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	55	0	0	<0.90	1.88	3.9
Turbidity	FTU	1	55	0	0	0.09	0.161	0.34
Odour	Dil Number	0	55	0	0	0	0	0
Taste	Dil Number	0	55	0	0	0	0	0
Sodium	mg/l	200	10	0	0	17.9	31.07	47.2
Nitrate (as NO3)	mg/l	50	10	0	0	14.4	22.11	24.6
Nitrite (as NO2)	mg/l	0.1	10	0	0	<0.007	<0.007	<0.007
Nitrate/Nitrite Ratio	mg/l	1	10	0	0	0.288	0.442	0.492
Aluminium	ug/l	200	54	1	1.85	4.6	20.4	273
Iron	ug/l	200	54	0	0	<4.0	6.01	52.5
Manganese	ug/l	50	54	0	0	<2.0	<2.0	22.9
Copper	mg/l	2	10	0	0	<0.004	0.015	0.072
Fluoride	mg/l	1.5	10	0	0	<0.007	0.973	1.07
Arsenic	ug/l	10	10	0	0	0.26	0.424	0.72
Cadmium	ug/l	5	10	0	0	<0.10	<0.10	<0.10
Chromium	ug/l	50	10	0	0	0.7	0.7	0.7
Nickel	ug/l	20	10	0	0	0.8	1.28	4.75
Lead	ug/l	10	10	0	0	<0.10	0.303	0.72
Antimony	ug/l	5	10	0	0	0.13	0.235	0.46
Selenium	ug/l	10	10	0	0	0.1	0.173	0.33
PAH	ug/l	0.1	12	0	0	0	0	0.0004
Escherichia coli	No./100ml	0	178	0	0	0	0	0
Intestinal Enterococci	cfu/100ml	0	10	0	0	0	0	0
Boron	mg/l	1	10	0	0	<0.02	0.039	0.065
Benzo(a)pyrene	ug/l	0.01	12	0	0	<0.0005	<0.0005	<0.0005
Trihalomethanes (total)	ug/l	100	11	0	0	22.6	42.5	67.1
Bromate	ug/l	10	10	0	0	<0.50	1.57	3.2
Indicator Parameters								
	Units	PCV	Number of samples	Number of Samples contravening PCV	% No. of samples contravening PCV	Minimum	Mean	Maximum
pH		-	55	0	0	6.77	7.42	7.72
Sulphate (as SO4)	mg/l	250	10	0	0	30.7	43.74	57.4
Ammonium (as NH4)	mg/l	0.5	55	0	0	<0.064	<0.064	<0.064
Total coliforms	No./100ml	0	178	1	0.56	0	0.0056	1
3 day count,22 deg C	cfu/ml	-	54	0	0	0	5.94	166
Total chlorine	mg/l	-	177	0	0	0.07	0.26	0.58
2 day count,37 deg C	cfu/ml	-	54	0	0	0	4.27	79
Conductivity	uS/cm	2500	55	0	0	21	456.47	570
Chloride	mg/l	250	10	0	0	44	56	77

* With the exception of the Coliform parameter all of the samples collected from this zone in 2014 complied with the Water Supply (Water Quality) Regulations 2010. The unsatisfactory sample was resampled and was found to comply with the regulations. Supplies to this zone are fluoridated up to a level of 1mg/l.