

West Bromwich Water Quality Zone (WB)

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	77	0	0	-	-	<0.4000	1.4416	4.1
Turbidity	FTU	4	76	0	0	-	-	<0.0300	0.1051	0.58
Odour (quantitative)	Dil Number	0	76	0	0	-	-	0	0	0
Taste (quantitative)	Dil Number	0	76	0	0	-	-	0	0	0
Sodium	mg/l	150	10	0	0	-	-	19	30.2	41
Nitrate (as NO3)	mg/l	50	10	0	0	-	-	13.7	21.53	35.7
Nitrite (as NO2)	mg/l	0.1	10	0	0	-	-	<0.0030	0.0041	0.009
Nitrate/Nitrite Ratio	mg/l	1	10	0	0	-	-	0.37	0.811	1
Aluminium	ug/l	200	77	1	1.30	-	-	<8.0000	25.974	232
Iron	ug/l	200	77	0	0	-	-	<10.0000	11.6623	95
Manganese	ug/l	50	77	0	0	-	-	<2.1000	3.8091	20
Copper (New Reg Limit)	mg/l	2	10	0	0	-	-	<0.0030	0.0115	0.089
Fluoride	ug/l	1500	10	0	0	-	-	0.81	0.959	1.07
Arsenic (New Regs Limit)	ug/l	10	10	0	0	-	-	<0.37	0.428	0.79
Cadmium	ug/l	5	10	0	0	-	-	<0.06	<0.06	0.06
Chromium	ug/l	50	10	0	0	-	-	<0.7	<0.7	<0.7
Nickel (New Reg Limit)	ug/l	20	10	0	0	-	-	<0.9	1.31	4.1
Lead (New Reg Limit)	ug/l	25	10	0	0	-	-	<0.5	1.93	6.2
Antimony (New Reg Limit)	ug/l	5	10	0	0	-	-	<0.1700	0.1985	0.54
Selenium	ug/l	10	10	0	0	-	-	<0.3000	<0.3000	0.46
Total PAHs (4 Det Total)	ug/l	0.1	10	0	0	-	-	<0.0034	<0.0034	<0.0034
Escherichia coli	No./100ml	0	212	0	0	-	-	0	0	0
Intestinal Enterococci	cfu/100ml	0	10	0	0	-	-	0	0	0
Boron (New Reg Limit)	mg/l	1	10	0	0	-	-	0.0220	0.0383	0.0610
Benzo(a)pyrene	ug/l	0.01	10	0	0	-	-	<0.001	<0.001	<0.001
Trihalomethanes (total)	ug/l	100	10	0	0	-	-	29.24	43.562	62.54
Bromate	ug/l	10	10	0	0	-	-	<0.6000	1.1700	4.400

Indicator Parameters

	Units	PCV	Number of samples	Number of samples greater than specification	% greater than specification	Minimum	Mean	Maximum
pH		9.5	76	0	0	6.9	7.1566	7.4
Sulphate (as SO4)	mg/l	250	10	0	0	28.8	40	53.5
Ammonium (as NH4)	mg/l	0.5	77	0	0	<0.0090	0.0112	0.038
Total organic carbon	mg/l	-	10	0	0	0.63	2.147	3.38
Total coliforms	No./100ml	0	212	0	0	0	0	0
Clostridium perfringens	No./100ml	0	77	0	0	0	0	0
3 day count, 22 deg C	cfu/ml	-	77	0	0	0	10.8312	300
Total chlorine	mg/l	-	212	0	0	0.04	0.2279	0.5
2 day count, 37 deg C	cfu/ml	-	77	0	0	0	3.6494	80
Conductivity	uS/cm	1500	76	0	0	300	432.6711	538
Chloride	mg/l	250	10	0	0	41.3	53.58	69

With the exception of the aluminium 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.