South Staffs Water

West Bromwich South Quality Zone (WBS)								
Schedule 1 Parameters								
	Units	PCV	Number of Samples	Number of Samples contravening PCV	% No. of samples contravening PCV	Min	Mean	Max
Colour	mg/l Pt/Co	20	36	0	0	2.00	2.44	4.00
Turbidity	FTU	4	36	0	0	0.12	0.12	0.13
Odour (quantitative)	Dil Number	0	36	0	0	0.00	0.00	0.00
Taste (quantitative)	Dil Number	0	36	0	0	0.00	0.00	0.00
Sodium	mg/l	200	8	0	0	19.70	27.40	39.10
Nitrate (as NO3)	mg/l	50	8	0	0	15.30	18.93	23.30
Nitrite (as NO2)	mg/l	0.1	8	0	0	<0.01	<0.01	0.01
Nitrate/Nitrite Ratio	mg/l	1	8	0	0	0.31	0.38	0.47
Aluminium	ug/l	200	36	0	0	6.60	13.16	24.40
Iron	ug/l	200	36	0	0	7.30	7.56	11.50
Manganese	ug/l	50	36	0	0	1.70	1.78	3.30
Copper (New Reg Limit)	mg/l	2	8	0	0	0.01	0.01	0.01
Fluoride	mg/l	1.5	8	0	0	0.75	0.92	1.01
Arsenic (New Regs Limit)	ug/l	10	8	0	0	1.00	1.00	1.00
Cadmium	ug/l	5	8	0	0	0.12	0.12	0.12
Chromium	ug/l	50	8	0	0	<0.70	<0.70	1.00
Nickel (New Reg Limit)	ug/l	20	8	0	0	0.90	1.16	2.40
Lead (New Reg Limit)	ug/l	10	8	0	0	0.90	2.14	7.00
Antimony (New Reg Limit)	ug/l	5	8	0	0	0.20	0.20	0.20
Selenium	ug/l	10	8	0	0	0.80	0.80	0.80
PAH	ug/l	0.1	8	0	0	0.00	0.00	0.00
Escherichia coli	No./100ml	0	120	0	0	0.00	0.00	0.00
Intestinal Enterococci	cfu/100ml	0	8	0	0	0.00	0.00	0.00
Boron (New Reg Limit)	mg/l	1	8	0	0	0.04	0.04	0.05
Benzo(a)pyrene	ug/l	0.01	8	0	0	0.00	0.00	0.00
Trihalomethanes (total)	ug/l	100	8	0	0	58.50	73.30	90.80
Bromate	ug/l	10	8	0	0	0.80	0.93	1.80
Indicator Parameters								
	Units	PCV	Number of samples	Number of Samples contravening PCV	% No. of samples contravening PCV	Minimum	Mean	Maximum
pH (New Reg Limit) Env		-	36	0	0	7.10	7.38	7.60
Sulphate (as SO4)	mg/l	250	8	0	0	26.90	38.63	53.60
Ammonium (as NH4)	mg/l	0.5	36	0	0	<0.02	0.02	0.03
Total coliforms	No./100ml	0	120	0	0	0.00	0.00	0.00
3 day count,22 deg C	cfu/ml	50	36	0	0	0.00	3.00	40.00
Free chlorine	mg/l	-	120	0	0	0.03	0.13	0.53
Total chlorine	mg/l	-	120	0	0	0.12	0.32	0.65
Conductivity	uS/cm	2500	36	0	0	295.00	393.86	529.00
Chloride	mg/l	250	8	0	0	35.00	46.25	65.00

* All of the samples collected from this zone in 2024 complied with the Water Supply (Water Quality) (Amendment) Regulations 2016.
Supplies to this zone are fluoridated up to a level of 1.5 mg/l