South Staffs Water

Rugeley Cannock Low Quality Zone (RCL)								
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	53	0	0	2.00	2.21	3.00
Turbidity	FTU	4	53	0	0	0.12	0.12	0.31
Odour (quantitative)	Dil Number	0	53	0	0	0.00	0.00	0.00
Taste (quantitative)	Dil Number	0	53	0	0	0.00	0.00	0.00
Sodium	mg/l	200	8	0	0	15.30	23.09	36.10
Nitrate (as NO3)	mg/l	50	8	0	0	15.50	21.36	32.30
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	0.43	0.65
Aluminium	ug/l	200	53	0	0	6.10	8.35	27.90
Iron	ug/l	200	53	0	0	7.30	9.24	30.70
Manganese	ug/l	50	53	0	0	1.70	1.89	8.90
Copper (New Reg Limit)	mg/l	2	8	0	0	0.01	0.01	0.03
Fluoride	mg/l	1.5	8	0	0	0.52	0.86	1.05
Arsenic (New Regs Limit)	ug/l	10	8	0	0	1.00	1.39	2.30
Cadmium	ug/l	5	8	0	0	0.12	0.13	0.17
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	1.29	3.20
Lead (New Reg Limit)	ug/l	10	8	0	0	0.90	1.24	3.60
Antimony (New Reg Limit)	ug/l	5	8	0	0	0.20	0.31	0.60
Selenium	ug/l	10	8	0	0	0.80	0.80	0.80
PAH	ug/l	0.1	9	0	0	0.00	0.00	0.00
Escherichia coli	No./100ml	0	170	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	0.06	0.10
Benzo(a)pyrene	ug/l	0.01	9	0	0	0.00	0.00	0.00
Trihalomethanes (total)	ug/l	100	8	0	0	15.60	51.46	80.20
Bromate	ug/l	10	8	0	0	0.80	0.85	1.00
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		-	53	0	0	7.20	7.43	7.70
Sulphate (as SO4)	mg/l	250	8	0	0	33.50	40.81	53.50
Ammonium (as NH4)	mg/l	0.5	53	0	0	<0.02	0.02	0.02
Total coliforms	No./100ml	0	170	0	0	0.00	0.00	0.00
3 day count,22 deg C	cfu/ml	50	53	0	0	0.00	9.87	300.00
Free chlorine	mg/l	-	170	0	0	0.03	0.17	0.60
Total chlorine	mg/l	-	170	0	0	0.08	0.29	0.59
Conductivity	uS/cm	2500	53	0	0	302.00	430.91	522.00
Chloride	mg/l	250	8	0	0	31.00	42.00	66.00

* 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