

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	52	0	0	2.00	2.56	3.00
Turbidity	FTU	4	52	0	0	0.12	0.13	0.15
Odour (quantitative)	Dil Number	0	52	0	0	0.00	0.00	0.00
Taste (quantitative)	Dil Number	0	52	0	0	0.00	0.00	0.00
Sodium	mg/l	200	8	0	0	13.10	25.33	41.80
Nitrate (as NO3)	mg/l	50	8	0	0	17.00	23.58	33.80
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	0.34	0.47	0.68
Aluminium	ug/l	200	52	0	0	6.10	8.78	39.80
Iron	ug/l	200	52	0	0	7.30	7.91	19.60
Manganese	ug/l	50	52	0	0	1.70	1.98	6.50
Copper (New Reg Limit)	mg/l	2	8	0	0	0.01	0.01	0.02
Fluoride	mg/l	1.5	8	0	0	<0.11	0.78	0.95
Arsenic (New Regs Limit)	ug/l	10	8	0	0	1.00	1.29	2.00
Cadmium	ug/l	5	8	0	0	0.12	0.15	0.22
Chromium	ug/l	50	8	0	0	1.00	1.00	1.00
Nickel (New Reg Limit)	ug/l	20	8	0	0	0.90	1.04	1.60
Lead (New Reg Limit)	ug/l	10	8	0	0	0.90	0.95	1.30
Antimony (New Reg Limit)	ug/l	5	8	0	0	0.20	0.29	0.60
Selenium	ug/l	10	8	0	0	0.80	0.81	0.90
PAH	ug/l	0.1	8	0	0	0.00	0.00	0.00
Escherichia coli	No./100ml	0	168	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	7	0	0	0.04	0.05	0.08
Benzo(a)pyrene	ug/l	0.01	8	0	0	0.00	0.00	0.00
Trihalomethanes (total)	ug/l	100	8	0	0	11.00	34.18	56.90
Bromate	ug/l	10	8	0	0	0.80	0.91	1.40
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		-	52	0	0	7.10	7.41	7.80
Sulphate (as SO4)	mg/l	250	8	0	0	31.20	42.98	52.90
Ammonium (as NH4)	mg/l	0.5	52	0	0	<0.02	0.02	0.04
Total coliforms	No./100ml	0	168	0	0	0.00	0.00	0.00
3 day count,22 deg C	cfu/ml	50	52	0	0	0.00	1.96	41.00
Free chlorine	mg/l	-	168	0	0	0.03	0.17	0.45
Total chlorine	mg/l	-	168	0	0	0.06	0.28	0.63
Conductivity	uS/cm	2500	52	0	0	258.00	442.63	593.00
Chloride	mg/l	250	8	0	0	34.00	46.50	65.00

* All of the samples collected from this zone in 2025 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