

Rugeley Cannock Low Water Quality Zone (RCL)								
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	<1.00	1.4	3
Turbidity	FTU	4	55	0	0	<0.1	0.10	0.17
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	14.6	29.13	40.7
Nitrate (as NO3)	mg/l	50	10	0	0	16.5	20.98	25.2
Nitrite (as NO2)	mg/l	0.1	10	0	0	<0.0060	<0.0060	<0.0060
Nitrate/Nitrite Ratio	mg/l	1	9	0	0	0.33	0.42	0.51
Aluminium	ug/l	200	55	0	0	<5	8.33	19.5
Iron	ug/l	200	55	0	0	<4.0	5.14	20.3
Manganese	ug/l	50	55	0	0	<0.9	1.01	2.4
Copper	mg/l	2	10	0	0	<0.004	0.05	0.15
Fluoride	mg/l	1.5	10	0	0	0.19	0.89	0.99
Arsenic	ug/l	10	10	0	0	<0.5	0.82	2.4
Cadmium	ug/l	5	10	0	0	<0.060	0.071	0.14
Chromium	ug/l	50	10	0	0	<0.30	0.4	1.3
Nickel	ug/l	20	10	0	0	0.7	1.48	6.6
Lead	ug/l	10	10	0	0	<0.5	<0.5	<0.5
Antimony	ug/l	5	10	0	0	<0.10	0.25	0.6
Selenium	ug/l	10	10	0	0	<0.4	0.53	0.8
PAH	ug/l	0.1	10	0	0	0	0	0
Escherichia coli	No./100ml	0	167	0	0	0	0	0
Intestinal Enterococci	cfu/100ml	0	10	0	0	0	0	0
Boron	mg/l	1	10	0	0	<0.05	0.06	0.091
Benzo(a)pyrene	ug/l	0.01	10	0	0	<0.002	<0.002	<0.002
Trihalomethanes (total)	ug/l	100	9	0	0	40	58.69	75.7
Bromate	ug/l	10	10	0	0	<0.4	1.48	3.5

Indicator Parameters								
	Units	PCV	Number of samples	Number of Samples contravening PCV	% No. of samples contravening PCV	Minimum	Mean	Maximum
pH		-	55	0	0	7.2	7.46	7.7
Sulphate (as SO4)	mg/l	250	10	0	0	31	40.88	55.4
Ammonium (as NH4)	mg/l	0.5	55	0	0	<0.04	<0.04	<0.04
Total coliforms	No./100ml	0	167	0	0	0	0	0
3 day count, 22 deg C	cfu/ml	-	55	0	0	0	11.09	300
Free chlorine	mg/l	-	167	0	0	0.03	0.18	0.56
Total chlorine	mg/l	-	167	0	0	0.06	0.28	0.79
Conductivity	uS/cm	2500	55	0	0	341	442.31	524
Chloride	mg/l	250	10	0	0	38	52.7	65

* All of the samples collected from this zone in 2019 complied with the Water Supply (Water Quality) (Amendment) Regulations 2018. Supplies to this zone are fluoridated up to a level of 1mg/l