

2014 Reporting Year

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	<0.90	1.66	3.5
Turbidity	FTU	4	54	0	0	<0.08	0.156	0.29
Odour	Dil Number	0	54	0	0	0	0	0
Taste	Dil Number	0	54	0	0	0	0	0
Sodium	mg/l	200	10	0	0	27.4	40.8	53.5
Nitrate (as NO ₃)	mg/l	50	10	0	0	17	20.71	23.9
Nitrite (as NO ₂)	mg/l	0.1	10	0	0	<0.007	<0.007	<0.007
Nitrate/Nitrite Ratio	mg/l	1	10	0	0	0.34	0.415	0.478
Aluminium	ug/l	200	54	0	0	<2.0	11.06	54.7
Iron	ug/l	200	54	0	0	<4.0	6.8	27.9
Manganese	ug/l	50	54	0	0	<2.0	<2.0	7.1
Copper	mg/l	2	10	0	0	<0.004	0.021	0.06
Fluoride	mg/l	1.5	10	0	0	0.884	0.98	1.04
Arsenic	ug/l	10	10	0	0	0.31	0.978	2.18
Cadmium	ug/l	5	10	0	0	<0.10	<0.10	<0.10
Chromium	ug/l	50	10	0	0	0.7	0.7	0.7
Nickel	ug/l	20	10	0	0	0.8	0.859	1.01
Lead	ug/l	10	10	0	0	<0.10	0.478	4.65
Antimony	ug/l	5	10	0	0	<0.10	0.163	0.27
Selenium	ug/l	10	10	0	0	<0.10	0.15	0.23
PAH	ug/l	0.1	10	0	0	0	0	0
Escherichia coli	No./100ml	0	155	0	0	0	0	0
Intestinal Enterococci	cfu/100ml	0	10	0	0	0	0	0
Boron	mg/l	1	10	0	0	<0.02	0.038	0.061
Benzo(a)pyrene	ug/l	0.01	10	0	0	<0.0005	<0.0005	<0.0005
Trihalomethanes (total)	ug/l	100	10	0	0	22.4	46.58	62.8
Bromate	ug/l	10	10	0	0	0.7	1.65	3.5
Indicator Parameters								
	Units	PCV	Number of samples	Number of Samples contravening PCV	% No. of samples contravening PCV	Minimum	Mean	Maximum
pH		-	54	0	0	6.92	7.43	7.71
Sulphate (as SO ₄)	mg/l	250	10	0	0	28.8	37.74	50.6
Ammonium (as NH ₄)	mg/l	0.5	54	0	0	<0.064	<0.064	<0.064
Total coliforms	No./100ml	0	155	0	0	0	0	0
3 day count, 22 deg C	cfu/ml	-	54	0	0	0	4.09	41
Total chlorine	mg/l	-	155	0	0	0.05	0.178	0.52
2 day count, 37 deg C	cfu/ml	-	54	0	0	0	4.38	92
Conductivity	uS/cm	2500	54	0	0	344	485.75	577
Chloride	mg/l	250	10	0	0	44	63.2	80

* All of the samples collected from this zone in 2014 complied with the Water Supply (Water Quality) Regulations 2010. Supplies to this zone are fluoridated up to a level of 1mg/l.