

Cawney Hill Water Quality Zone (CW)								
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	54	0	0	<1.00	1.63	15
Turbidity	FTU	4	54	0	0	<0.1	0.11	0.38
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	17.3	29.09	43.1
Nitrate (as NO3)	mg/l	50	10	0	0	18.9	25.97	33.3
Nitrite (as NO2)	mg/l	0.1	10	0	0	<0.006	<0.006	<0.006
Nitrate/Nitrite Ratio	mg/l	1	10	0	0	0.38	0.52	0.67
Aluminium	ug/l	200	54	0	0	<5	14.2	93.4
Iron	ug/l	200	54	0	0	<4.0	9.2	41.9
Manganese	ug/l	50	54	0	0	<0.9	1.62	10.9
Copper	mg/l	2	10	0	0	<0.004	0.04	0.198
Fluoride	mg/l	1.5	10	0	0	0.31	0.85	1.03
Arsenic	ug/l	10	10	0	0	<0.5	0.64	1.1
Cadmium	ug/l	5	10	0	0	<0.060	<0.060	0.11
Chromium	ug/l	50	10	0	0	<0.3	<0.3	<0.3
Nickel	ug/l	20	10	0	0	0.6	1.26	1.9
Lead	ug/l	10	10	0	0	<0.5	1.46	7.2
Antimony	ug/l	5	10	0	0	<0.1	0.1	0.1
Selenium	ug/l	10	10	0	0	<0.4	0.45	0.6
PAH	ug/l	0.1	10	0	0	0	0	0
Escherichia coli	No./100ml	0	179	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	0.051	0.056
Benzo(a)pyrene	ug/l	0.01	10	0	0	<0.002	<0.002	<0.002
Trihalomethanes (total)	ug/l	100	9	0	0	11.3	32.37	60.1
Bromate	ug/l	10	10	0	0	<0.4	0.97	2.5

Indicator Parameters								
	Units	PCV	Number of samples	Number of Samples contravening PCV	% No. of samples contravening PCV	Minimum	Mean	Maximum
pH		-	54	0	0	6.9	7.29	7.6
Sulphate (as SO4)	mg/l	250	10	0	0	27.1	38.97	47.8
Ammonium (as NH4)	mg/l	0.5	54	0	0	<0.04	<0.04	<0.04
Total coliforms	No./100ml	0	179	0	0	0	0	0
3 day count, 22 deg C	cfu/ml	100	54	0	0	0	0.76	15
Free chlorine	mg/l	-	180	0	0	0.03	0.22	0.57
Total chlorine	mg/l	-	180	0	0	0.04	0.32	0.87
Conductivity	uS/cm	2500	54	0	0	173	415	549
Chloride	mg/l	250	10	0	0	44	52.3	70

* 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