

Winhill Water Quality Zone (WIN)								
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	38	0	0	<1.0	1.05	2
Turbidity	FTU	2	38	0	0	<0.1	0.11	0.6
Odour	Dil Number	0	38	0	0	0	0	0
Taste	Dil Number	0	40	0	0	0	0	0
Sodium	mg/l	200	10	0	0	21.3	40.52	48.5
Nitrate (as NO3)	mg/l	50	10	0	0	2	3.54	16.6
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	0.04	0.07	0.33
Aluminium	ug/l	200	38	0	0	<5	6.14	16.9
Iron	ug/l	200	38	0	0	10.4	26.88	156
Manganese	ug/l	50	38	0	0	<0.9	1.30	5.5
Copper	mg/l	2	10	0	0	0.005	0.03	0.133
Fluoride	mg/l	1.5	10	0	0	0.86	0.97	1.05
Arsenic	ug/l	10	10	0	0	<0.5	0.81	1.4
Cadmium	ug/l	5	10	0	0	<0.06	<0.06	<0.06
Chromium	ug/l	50	10	0	0	<0.3	<0.3	<0.3
Nickel	ug/l	20	10	0	0	<0.3	0.45	1.3
Lead	ug/l	10	10	0	0	<0.5	1.06	3.7
Antimony	ug/l	5	10	0	0	<0.1	0.40	1.5
Selenium	ug/l	10	10	0	0	<0.4	0.44	0.7
PAH	ug/l	0.1	10	0	0	0	0	0
Escherichia coli	No./100ml	0	94	0	0	0	0	0
Intestinal Enterococci	cfu/100ml	0	10	0	0	0	0	0
Boron	mg/l	1	10	0	0	0.06	0.08	0.09
Benzo(a)pyrene	ug/l	0.01	10	0	0	<0.002	<0.002	<0.002
Trihalomethanes (total)	ug/l	100	10	0	0	3.4	11.24	28.5
Bromate	ug/l	10	10	0	0	<0.5	1.1	1.9

Indicator Parameters								
	Units	PCV	Number of samples	Number of Samples contravening PCV	% No. of samples contravening PCV	Minimum	Mean	Maximum
pH		-	38	0	0	7.2	7.5	7.8
Sulphate (as SO4)	mg/l	250	10	0	0	79.5	145.0	159
Ammonium (as NH4)	mg/l	0.5	38	0	0	<0.04	<0.04	<0.04
Total coliforms	No./100ml	0	94	0	0	0	0	0
3 day count, 22 deg C	cfu/ml	-	38	0	0	0	0.82	9
Free chlorine	mg/l	-	94	0	0	0.03	0.13	0.54
Total chlorine	mg/l	-	94	0	0	0.03	0.20	0.6
Conductivity	uS/cm	2500	38	0	0	425	731.8	854
Chloride	mg/l	250	10	0	0	53	66.6	72

* 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