

## 2018 Reporting Year

Winshill 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	37	0	0	<1.70	<1.70	3
Turbidity	FTU	1	37	0	0	0.1	0.10	0.16
Odour	Dil Number	0	38	0	0	0	0	0
Taste	Dil Number	0	37	0	0	0	0	0
Sodium	mg/l	200	8	0	0	26.1	44.1	71.3
Nitrate (as NO3)	mg/l	50	8	0	0	2	3.6	6.9
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	0.042	0.074	0.14
Aluminium	ug/l	-	37	0	0	5	5.17	9.9
Iron	ug/l	200	37	0	0	<4.00	17.58	31.3
Manganese	ug/l	50	37	0	0	0.9	0.99	3.4
Copper	mg/l	2	8	0	0	0.006	0.013	0.024
Fluoride	ug/l	1500	8	0	0	0.78	0.94	1.00
Arsenic	ug/l	10	8	0	0	0.5	0.99	1.8
Cadmium	ug/l	5	8	0	0	<0.10	<0.10	0.05
Chromium	ug/l	50	8	0	0	<0.70	<0.70	0.35
Nickel	ug/l	20	8	0	0	<0.80	0.86	3.1
Lead	ug/l	10	8	0	0	0.5	1.35	4.1
Antimony	ug/l	5	8	0	0	<0.10	0.73	1.8
Selenium	ug/l	10	8	0	0	0.4	0.43	0.5
PAH	ug/l	0.1	9	0	0	0	0	0
Escherichia coli	No./100ml	0	89	0	0	0	0	0
Intestinal Enterococci	cfu/100ml	0	8	0	0	0	0	0
Boron	mg/l	1	8	0	0	0.06	0.08	0.09
Benzo(a)pyrene	ug/l	0.01	9	0	0	<0.002	<0.002	<0.002
Trihalomethanes (total)	ug/l	100	9	0	0	2.9	10.1	40.3
Bromate	ug/l	10	8	0	0	<0.50	0.65	1.2

Indicator Parameters								
	Units	PCV	Number of samples	Number of Samples contravening PCV	% No. of samples contravening PCV	Minimum	Mean	Maximum
pH		-	37	0	0	7.4	7.58	8.2
Sulphate (as SO4)	mg/l	250	8	0	0	104	133.75	155
Ammonium (as NH4)	mg/l	0.5	37	0	0	0.04	0.04	0.04
Total coliforms	No./100ml	0	89	0	0	0	0	0
Free chlorine	mg/l	-	90	0	0	0.03	0.12	0.53
Total chlorine	mg/l	-	90	0	0	0.03	0.17	0.54
Conductivity	uS/cm	2500	37	0	0	491	777.92	880
Chloride	mg/l	250	8	0	0	47	62	71

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