

Burton 1 Water Quality Zone (BUR1)								
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	<1.00	1.71	3
Turbidity	FTU	4	38	0	0	<0.1	0.11	0.18
Odour	Dil Number	0	38	0	0	0	0	0
Taste	Dil Number	0	38	0	0	0	0	0
Sodium	mg/l	200	9	0	0	16.5	19.52	23
Nitrate (as NO3)	mg/l	50	9	0	0	11.7	19.66	28.3
Nitrite (as NO2)	mg/l	0.1	9	0	0	<0.006	<0.006	<0.006
Nitrate/Nitrite Ratio	mg/l	1	9	0	0	0.24	0.40	0.57
Aluminium	ug/l	200	38	0	0	<5	12.57	63.3
Iron	ug/l	200	38	0	0	<4.0	8.29	25.7
Manganese	ug/l	50	38	0	0	<0.9	1.79	15.3
Copper	mg/l	2	9	0	0	<0.004	0.025	0.112
Fluoride	mg/l	1.5	9	0	0	0.85	0.95	1
Arsenic	ug/l	10	9	0	0	0.8	1.18	2.1
Cadmium	ug/l	5	9	0	0	<0.060	0.069	0.14
Chromium	ug/l	50	9	0	0	<0.3	<0.3	<0.3
Nickel	ug/l	20	9	0	0	0.7	1.07	2.2
Lead	ug/l	10	9	0	0	<0.5	0.73	2.6
Antimony	ug/l	5	9	0	0	0.5	0.74	1.3
Selenium	ug/l	10	9	0	0	<0.4	0.58	0.7
PAH	ug/l	0.1	10	0	0	0	0	0
Escherichia coli	No./100ml	0	129	0	0	0	0	0
Intestinal Enterococci	cfu/100ml	0	9	0	0	0	0	0
Boron	mg/l	1	9	0	0	0.063	0.083	0.103
Benzo(a)pyrene	ug/l	0.01	10	0	0	<0.002	<0.002	<0.002
Trihalomethanes (total)	ug/l	100	11	0	0	45.8	52.8	73.8
Bromate	ug/l	10	9	0	0	<0.4	0.74	1.4

Indicator Parameters								
	Units	PCV	Number of samples	Number of Samples contravening PCV	% No. of samples contravening PCV	Minimum	Mean	Maximum
pH		-	38	0	0	6.9	7.27	7.6
Sulphate (as SO4)	mg/l	250	9	0	0	48	70.94	92
Ammonium (as NH4)	mg/l	0.5	38	0	0	<0.04	<0.04	<0.04
Total coliforms	No./100ml	0	129	0	0	0	0	0
3 day count, 22 deg C	cfu/ml	100	38	0	0	0	11.21	300
Free chlorine	mg/l	-	130	0	0	0.03	0.28	0.79
Total chlorine	mg/l	-	130	0	0	0.08	0.42	0.92
Conductivity	uS/cm	2500	38	0	0	402	510.82	575
Chloride	mg/l	250	9	0	0	41	52.33	62

* 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