

Hayley Green Water Quality Zone (HG)

Schedule 1 Parameters

	Units	PCV	Number of samples	Number of samples greater than PCV	% greater than PCV	Number of samples greater than authorised departure	% greater than authorised departure	Minimum	Mean	Maximum
Colour	mg/l Pt/Co	20	39	0	0	-	-	<0.4000	0.4385	1.6
Turbidity	FTU	4	39	0	0	-	-	<0.0300	0.0499	0.16
Odour (quantitative)	Dil Number	0	39	0	0	-	-	0	0	0
Taste (quantitative)	Dil Number	0	39	0	0	-	-	0	0	0
Sodium	mg/l	150	10	0	0	-	-	12	13.6	16
Nitrate (as NO3)	mg/l	50	10	0	0	-	-	39.4	43.58	46
Nitrite (as NO2)	mg/l	0.1	10	0	0	-	-	<0.0030	0.0062	0.023
Nitrate/Nitrite Ratio	mg/l	1	10	0	0	-	-	0.79	0.957	1
Aluminium	ug/l	200	39	0	0	-	-	<8.0000	<8.0000	<8.0000
Iron	ug/l	200	39	0	0	-	-	<10.0000	<10.0000	21
Manganese	ug/l	50	39	0	0	-	-	<2.1000	<2.1000	1.05
Copper (New Reg Limit)	mg/l	2	10	0	0	-	-	<0.0030	0.0278	0.15
Fluoride	ug/l	1500	10	0	0	-	-	0.85	0.9335	1.02
Arsenic (New Regs Limit)	ug/l	10	10	0	0	-	-	2.6	3.05	3.4
Cadmium	ug/l	5	10	0	0	-	-	<0.06	<0.06	<0.06
Chromium	ug/l	50	10	0	0	-	-	<0.7	0.73	0.9
Nickel (New Reg Limit)	ug/l	20	10	0	0	-	-	<0.9	0.96	1.5
Lead (New Reg Limit)	ug/l	25	10	0	0	-	-	<0.5	0.62	1.6
Antimony (New Reg Limit)	ug/l	5	10	0	0	-	-	<0.1700	<0.1700	<0.1700
Selenium	ug/l	10	10	0	0	-	-	<0.3000	<0.3000	0.49
Total PAHs (4 Det Total)	ug/l	0.1	10	0	0	-	-	0	0.0006	0.005
Escherichia coli	No./100ml	0	130	0	0	-	-	0	0	0
Intestinal Enterococci	cfu/100ml	0	10	0	0	-	-	0	0	0
Boron (New Reg Limit)	mg/l	1	10	0	0	-	-	<0.017	0.0216	0.0350
Benzo(a)pyrene	ug/l	0.01	10	0	0	-	-	<0.001	<0.001	0.004
Trihalomethanes (total)	ug/l	100	10	0	0	-	-	0	4.406	6.41
Bromate	ug/l	10	10	0	0	-	-	<0.006	<0.006	<0.006

Indicator Parameters

	Units	PCV	Number of samples	Number of samples greater than specification	% greater than specification	Minimum	Mean	Maximum
pH		9.5	39	0	0	6.5	7.1103	7.5
Sulphate (as SO4)	mg/l	250	10	0	0	20.3	23.35	26.5
Ammonium (as NH4)	mg/l	0.5	39	0	0	<0.0090	0.0094	0.018
Total organic carbon	mg/l	-	10	0	0	<0.1200	0.465	1.07
Total coliforms	No./100ml	0	130	0	0	0	0	0
Clostridium perfringens	No./100ml	0	39	0	0	0	0	0
3 day count,22 deg C	cfu/ml	-	39	0	0	0	2.1538	31
Total chlorine	mg/l	-	130	0	0	0.05	0.155	0.39
2 day count,37 deg C	cfu/ml	-	39	0	0	0	3.3846	64
Conductivity	uS/cm	1500	39	0	0	270	372.3333	479
Chloride	mg/l	250	10	0	0	32.4	34.01	37.4

All of the samples collected from this zone in 2010 complied with the Water Supply (Water Quality) Regulations 2000 (amended) 2007. Supplies to this zone are fluoridated up to a level of 1000µg/l.