

ANALYSES	ASHTON Sample no.: 14373 Date Sample: 2016/07/07 Date Analysed: 2016/07/08	BONNIEVALE Sample no.: 14363 Date Sample: 2016/07/07 Date Analysed: 2016/07/08	McGREGOR Sample no.: 14358 Date Sample: 2016/07/07 Date Analysed: 2016/07/08	MONTAGU Sample no.: 14367 Date Sample: 2016/07/07 Date Analysed: 2016/07/08	ROBERTSON Sample no.: 14352 Date Sample: 2016/07/07 Date Analysed: 2016/07/08	SANS 241-1 2011
pH (at 25°C)	7.13	7.46	8.13	7.28	6.79	≥ 5 - ≤ 9.7 Operational
Conductivity (mS/m) (at 25°C)	46.5	21.5	16.5	48.5	8.5	≤ 170 Aesthetic
Turbidity (NTU)	4.2	1.0	0.85	0.96	1.4	≤ 5 Aesthetic ≤ 1 Operational
Langelier Saturation Index (at 25°C)	-1.9	-2.2	-1.6	-1.7	-3.1	N/A
Ryznar Index	11.0	11.8	11.4	10.6	13.1	N/A
Colour (mg/l as Pt)	<4	<4	<4	6	<4	≤ 15 Aesthetic
CaCO ₃ Precipitation Potential (mg/l)	-10.0	-6.8	-7.2	-9.7	-12.5	N/A
Total Alkalinity (mg/l as CaCO ₃)	22.4	11.9	25.5	30.4	<11.0	N/A
Total Hardness (mg/l as CaCO ₃)	71.2	29.5	11.7	69.9	12.2	N/A
Calcium (mg/l as Ca)	11.6	5.4	1.9	10.9	2.9	N/A
Magnesium (mg/l as Mg)	10.3	3.9	1.7	10.4	1.2	N/A
Aluminium (ug/l asAl)	300	242	283	208	471	≤ 300 Operational

Iron ($\mu\text{g/l}$ asFe)	53	32	<24	<24	35	≤ 300 Aesthetic ≤ 2000 Chronic <0.05Health
Free Chlorine (mg/l)	2.4	0.16	0.05	1.7	0.83	≤ 5.0 Chronic Health
E.coli (count per 100ml)	<1	<1	<1	<1	<1	Not Detected Acute Health -1
Total Coliform Bacteria (count per 100ml)	<1	<1	<1	<1	<1	≤ 10 Operational
Calcium Hardness (mg/l as CaCO ₃)	29.0	13.5	4.8	27.3	7.3	N/A
Magnesium Hardness (mg/l as CaCO ₃)	42.2	16.0	7.0	42.6	4.9	N/A
Heterotrophic Plate Count (count per ml)	8	<1	<1	2	2	≤ 1000 Operational