

ANALYSES	ASHTON Sample no.: 2631 Date Sample: 6/2/2014 Date Analysed: 6/2/2014	BONNIEVALE Sample no.: 2621 Date Sample: 6/2/2014 Date Analysed: 6/2/2014	McGREGOR Sample no.: 2616 Date Sample: 6/2/2014 Date Analysed: 6/2/2014	MONTAGU Sample no.: 2625 Date Sample: 6/2/2014 Date Analysed: 6/2/2014	ROBERTSON Sample no.: 2611 Date Sample: 6/2/2014 Date Analysed: 6/2/2014	SANS 241-1 2011
pHs (at 25°C)	8.60	8.20	9.30	8.30	9.00	≥5 ≤9.7 Operational
pH (at 25°C)	7.46	7.58	6.55	7.39	6.89	≥5 ≤9.7 Operational
Conductivity (mS/m) (at 25°C)	88.9	89.4	9.8	69.8	18.3	≤ 170 Aesthetic
Turbidity (NTU)	2.7	1.8	3.6	5.4	3.4	≤1 Aesthetic ≤5 Operational
Langelier Saturation Index (at 25°C)	-0.73	-0.58	-2.8	-0.94	-2.1	N/A
Ryznar Index	9.7	8.8	12.1	9.2	11.1	N/A
Colour (mg/l as Pt)	<1	<1	18	<1	<1	≤15 Aesthetic
CaCO ₃ Precipitation Potential (mg/l)	-13.2	-9.7	-61.3	-15.6	-35.7	N/A
Total Alkalinity (mg/l as CaCO ₃)	106	109	49.9	96.6	62.3	N/A
Total Hardness (mg/l as CaCO ₃)	142	147	15.8	112	30.9	N/A
Calcium (mg/l as Ca)	18.7	19.7	2.4	14.6	4.5	N/A
Magnesium (mg/l as Mg)	23.2	23.9	2.4	18.3	4.8	N/A
Aluminium (ug/l asAl)	477	158	301	648	198	≤300 Operational

Iron ($\mu\text{g/l}$ asFe)	30	19	264	44	70	≤ 15 Aesthetic ≤ 2000 Chronic Health
Free Chlorine (mg/l)	0.30	1.8	0.14	1.7	0.79	≤ 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	23	<1	<1	Not Detected Acute Health -1
Calcium Hardness (mg/l as CaCO ₃)	46.8	49.3	6.0	36.5	11.2	N/A
Magnesium Hardness (mg/l as CaCO ₃)	95.1	98.0	9.8	75.2	19.7	N/A