

ANALYSES	ASHTON Sample no.: 6849 Date Sample: 3/4/2014 Date Analysed: 3/4/2014	BONNIEVALE Sample no.: 6835 Date Sample: 3/4/2014 Date Analysed: 3/4/2014	McGREGOR Sample no.: 6830 Date Sample: 3/4/2014 Date Analysed: 3/4/2014	MONTAGU Sample no.: 6848 Date Sample: 3/4/2014 Date Analysed: 3/4/2014	ROBERTSON Sample no.: 6828 Date Sample: 3/4/2014 Date Analysed: 3/4/2014	SANS 241-1 2011
pHs (at 25°C)	8.90	8.90	10.0	8.90	9.60	N/A
pH (at 25°C)	7.64	7.75	6.65	7.60	6.97	≥ 5 - ≤ 9.7 Operational
Conductivity (mS/m) (at 25°C)	74.0	73.5	11.0	64.0	20.5	≤ 170 Aesthetic
Turbidity (NTU)	1.3	1.3	0.97	1.5	6.3	≤ 5 Aesthetic ≤ 1 Operational
Langelier Saturation Index (at 25°C)	-1.2	-1.1	-3.4	-1.2	-2.7	N/A
Ryznar Index	10.2	10.1	13.4	10.2	12.2	N/A
Colour (mg/l as Pt)	2	2	<1	1	6	≤ 15 Aesthetic
CaCO ₃ Precipitation Potential (mg/l)	-5.9	-4.8	-12.6	-6.7	-9.6	N/A
Total Alkalinity (mg/l as CaCO ₃)	34.5	31.1	7.8	38.5	11.4	N/A
Total Hardness (mg/l as CaCO ₃)	95.0	103	14.6	83.3	33.4	N/A
Calcium (mg/l as Ca)	14.2	15.2	3.1	12.7	5.9	N/A
Magnesium (mg/l as Mg)	14.5	15.9	1.7	12.6	4.6	N/A
Aluminium (ug/l asAl)	358	364	232	190	522	≤ 300 Operational
Iron (ug/l asFe)	45	22	19	25	149	≤ 300 Aesthetic ≤

						2000 Chronic Health
Free Chlorine (mg/l)	0.05	0.12	<0.05	0.21	0.37	≤ 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)	35.5	38.1	7.6	31.7	14.7	N/A
Magnesium Hardness (mg/l as CaCO ₃)	59.5	65.2	7.0	51.6	18.7	N/A