

ANALYSES	ASHTON Sample no.: 12822 Date Sample: 2014/07/03 Date Analysed: 2014/07/03	BONNIEVALE Sample no.: 12812 Date Sample: 2014/07/03 Date Analysed: 2014/07/03	McGREGOR Sample no.: 12807 Date Sample: 2014/07/03 Date Analysed: 2014/07/03	MONTAGU Sample no.: 12816 Date Sample: 2014/07/03 Date Analysed: 2014/07/03	ROBERTSON Sample no.: 12802 Date Sample: 2014/07/03 Date Analysed: 2014/07/03	SANS 241-1 2011
pHs (at 25°C)	9.12	9.78	9.84	8.80	9.77	N/A
pH (at 25°C)	6.62	6.54	6.44	6.60	6.67	≥ 5 - ≤ 9.7 Operational
Conductivity (mS/m) (at 25°C)	22.5	10.3	7.9	31.0	6.5	≤ 170 Aesthetic
Turbidity (NTU)	0.55	7.6	1.9	0.65	1.4	≤ 5 Aesthetic ≤ 1 Operational
Langelier Saturation Index (at 25°C)	-2.5	-3.2	-3.4	-2.2	-3.1	N/A
Ryznar Index	6.6	-6.5	6.4	6.6	-6.7	N/A
Colour (mg/l as Pt)	<1	<1	25	<1	<1	≤ 15 Aesthetic
CaCO ₃ Precipitation Potential (mg/l)	-31.7	-18.9	-24.3	-52.9	-16.0	N/A
Total Alkalinity (mg/l as CaCO ₃)	28.2	11.9	12.9	49.6	13.1	N/A
Total Hardness (mg/l as CaCO ₃)	37.9	21.4	13.5	48.8	13.0	N/A
Calcium (mg/l as Ca)	7.6	3.8	3.0	9.1	3.5	N/A
Magnesium (mg/l as Mg)	4.6	2.9	1.5	6.4	1.1	N/A
Aluminium (ug/l asAl)	62	3944	756	111	374	≤ 300 Operational

Iron ($\mu\text{g/l}$ asFe)	39	235	69	<10	71	≤ 300 Aesthetic ≤ 2000 Chronic Health
Free Chlorine (mg/l)	0.82	0.05	0.06	2.0	0.26	≤ 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)	19.1	9.4	7.5	22.7	8.7	N/A
Magnesium Hardness (mg/l as CaCO ₃)	18.8	12.0	6.0	26.2	4.3	N/A