

<b>ANALYSES</b>	<b>ASHTON Sample no.: 16618 Date Sample: 2016/08/04 Date Analysed: 2016/08/05</b>	<b>BONNIEVALE Sample no.: 16608 Date Sample: 2016/08/04 Date Analysed: 2016/08/05</b>	<b>McGREGOR Sample no.: 16603 Date Sample: 2016/08/04 Date Analysed: 2016/08/05</b>	<b>MONTAGU Sample no.: 16612 Date Sample: 2016/08/04 Date Analysed: 2016/08/05</b>	<b>ROBERTSON Sample no.: 16597 Date Sample: 2016/08/04 Date Analysed: 2016/08/05</b>	<b>SANS 241-1 2011</b>
pH (at 25°C)	6.75	6.79	6.96	6.83	6.94	≥ 5 - ≤ 9.7 Operational
Conductivity (mS/m) (at 25°C)	33.5	25.5	13.5	32.5	7.5	≤ 170 Aesthetic
Turbidity (NTU)	11.7	1.7	1.6	0.71	2.3	≤ 5 Aesthetic ≤ 1 Operational
Langelier Saturation Index (at 25°C)	-2.5	-2.5	-2.9	-2.4	-3.0	N/A
Ryznar Index	-6.8	-6.8	-7.0	-6.8	-6.9	N/A
Colour (mg/l as Pt)	<4	<4	<4	<4	<4	≤ 15 Aesthetic
CaCO <sub>3</sub> Precipitation Potential (mg/l)	-14.2	-12.0	-11.7	-13.6	-11.4	N/A
Total Alkalinity (mg/l as CaCO <sub>3</sub> )	14.7	12.8	14.2	16.8	12.4	N/A
Total Hardness (mg/l as CaCO <sub>3</sub> )	64.0	52.3	16.3	62.9	11.5	N/A
Calcium (mg/l as Ca)	11.0	10.6	2.9	11.2	2.3	N/A
Magnesium (mg/l as Mg)	8.9	6.3	2.2	8.5	1.4	N/A
Aluminium (ug/l asAl)	1935	319	502	140	1093	≤ 300 Operational

Iron ( $\mu\text{g/l}$ asFe)	305	66	50	<24	95	$\leq 300$ Aesthetic $\leq 2000$ Chronic <0.05Health
Free Chlorine (mg/l)	0.98	0.1	<0.05	1.6	0.14	$\leq 5.0$ 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	$\leq 10$ Operational
Calcium Hardness (mg/l as CaCO <sub>3</sub> )	27.5	26.5	7.3	28.0	5.8	N/A
Magnesium Hardness (mg/l as CaCO <sub>3</sub> )	36.5	25.8	9.0	34.9	5.7	N/A
Heterotrophic Plate Count (count per ml)	34	37	<1	<1	<1	$\leq 1000$ Operational