

## Water Analysis

**Sample Number :** KRR021-186  
**Job Name :** General Hospital  
**Customer Name :** Joe's AC Service  
**Manufacturer :** Carrier  
**Unit Model :** 30GT190503  
**Serial Number :** 12345  
**Equipment ID :** 12345  
**Machine Hours :**

**Report Number :** RR01235-002  
**Date Sampled :** 10/24/2002  
**Sampled By :** Joe Smith  
**Contact Person :** Joe Smith  
**Date Received :** 11/6/2002  
**Date Analyzed :** 11/11/2002  
**Reported By :** Mara Dooley

Units	Limits	Current Sample	Previous Samples	
			10/15/2001	5/20/2000
pH	7.0 - 9.5	7.2	7.5	7.8
Bicarbonate Alkalinity mg CaCO3/L		38	43	40
Carbonate Alkalinity mg CaCO3/L		< 1	< 1	< 1
Hydroxide Alkalinity mg CaCO3/L		< 1	< 1	< 1
Total Alkalinity (as CaCO3) mg CaCO3/L		38	43	40
Suspended Solids ppm	< 200	< 1	< 1	< 1
Nitrite ppm	< 25	764	782	820
Phosphate ppm	< 20	< 1	< 1	< 1
Borate ppm		< 1	< 1	< 1
Molybdate ppm	0 - 150	< 1	< 1	< 1
Calcium ppm	< 150	21	15	25
Magnesium ppm	< 150	< 1	< 1	< 1
Total Hardness (as CaCO3) mg CaCO3/L	30 - 500	52	38	63
Silicon ppm		< 1	< 1	< 1
Chloride ppm	< 125	56	43	36
Fluoride ppm		< 1	< 1	< 1
Nitrate ppm	< 25	878	928	937
Sulfate ppm	< 125	< 1	< 1	< 1
Iron ppm	< 5	< 1	< 1	< 1
Copper ppm	< 5	< 1	< 1	< 1
Zinc ppm	< 5	< 1	< 1	< 1

**Comments:**

None

**RECOMMENDATIONS:**

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System type: Open Cooling. Sample shows high levels of nitrite and nitrate which are not normally used in Open Cooling systems. Verify the correct system type for this sample.

*This report is based on a single sample. Tracking multiple samples over time provides the best information about equipment and fluid condition.*