

CMI Management  
VA-011  
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### Culpeper Minutemen Mem USARC - HVAC Equipment

Test	Evap Condenser	Closed Loop		
Conductivity (as mmhos)	1805 900 - 1350	3241 3500 max		
pH	9.0 7 - 9	9.0 8 - 10.5		
Chlorides	180 80 - 180			
Hardness, total (ppm as CaCO <sub>3</sub> )	800 750 max			
Alkalinity, total (ppm as CaCO <sub>3</sub> )	390 400 max			
Molybdate (ppm as Mo)	0 0.8 - 1.2	10 50 - 200		

#### Evaporative Condenser

Online 

Conductivity is above desired ranges. This may lead to scale forming conditions which may effect energy consumption and/or cause equipment to fail. This is the first time I have treated the system since it just went online. I got the controller all set up and once the system bleeds down all readings should be in desired ranges. Chemical feed levels are sufficient for the next month and all equipment was working properly while on site.

#### Closed Loop

Online 

Molybdenum level is low. This will lead to accelerated corrosion rates. System was recently fixed. I hand pumped a half gallon of MO and the system is now in desired ranges. I also collected a sample of water and will send to our lab for testing since the loops leaks have been repaired.

Bond Water Technologies, Inc. recommends that you perform regular and/or daily analysis to control chemical levels and cycles of concentration within established limits. Test results reflect conditions during the point in time when the analysis was performed. Additional testing may be performed upon request. As operating conditions vary, test results will change over time. Notwithstanding anything to the contrary contained in the Agreement or otherwise, (i) Bond Water Technologies and its insurers are not liable for losses caused by the Customer's wrongful acts or omissions, (ii) Bond's program does not cover and it makes no guarantees with respect to waterborne pathogens including Legionella or against health risks therefrom, and (iii) in no event shall either party be liable for any consequential or indirect damages.