

Microbial Challenge Tests for Water Box, March 21, 2022

Water box number = WB-X 200601-053, which is the same one that Umpqua Research used in their most recent tests. It is a unit without a generator which has been specially modified so that the bulb is controlled exclusively by the water box.

No.	Description	UVT	Time	MS2 Sample No.
A	No treatment run, 2 L volume, inlet sample	81.12%		1
	No treatment run, 2 L volume, outlet sample	80.89%	10 min	2
B	2-minute treatment run, 4 L volume, inlet sample	80.81%		3
	2-minute treatment run, 4 L volume, outlet sample	80.94%	120 sec	4
C	3-minute treatment run, 4 L volume, inlet sample	80.88%		5
	3-minute treatment run, 4 L volume, outlet sample	80.97%	180 sec	6
D	2-minute treatment run, 4 L volume, inlet sample	80.92%		7
	2-minute treatment run, 4 L volume, outlet sample	80.99%	120 sec	8
E	3-minute treatment run, 4 L volume, inlet sample	80.94%		9
	3-minute treatment run, 4 L volume, outlet sample	80.96%	180 sec	10

Recent round (round 4) of tests.
by a toggle switch; the timer board has been removed entirely.

MS2 Lab Result	Calculations	
	Log Removal	UVT Average
		81.0%
		80.9%
		80.9%
		81.0%
		81.0%