

Figure 1: Vertical Exhaust Stack on the side of the evaluated Sumerset Custom Houseboat.

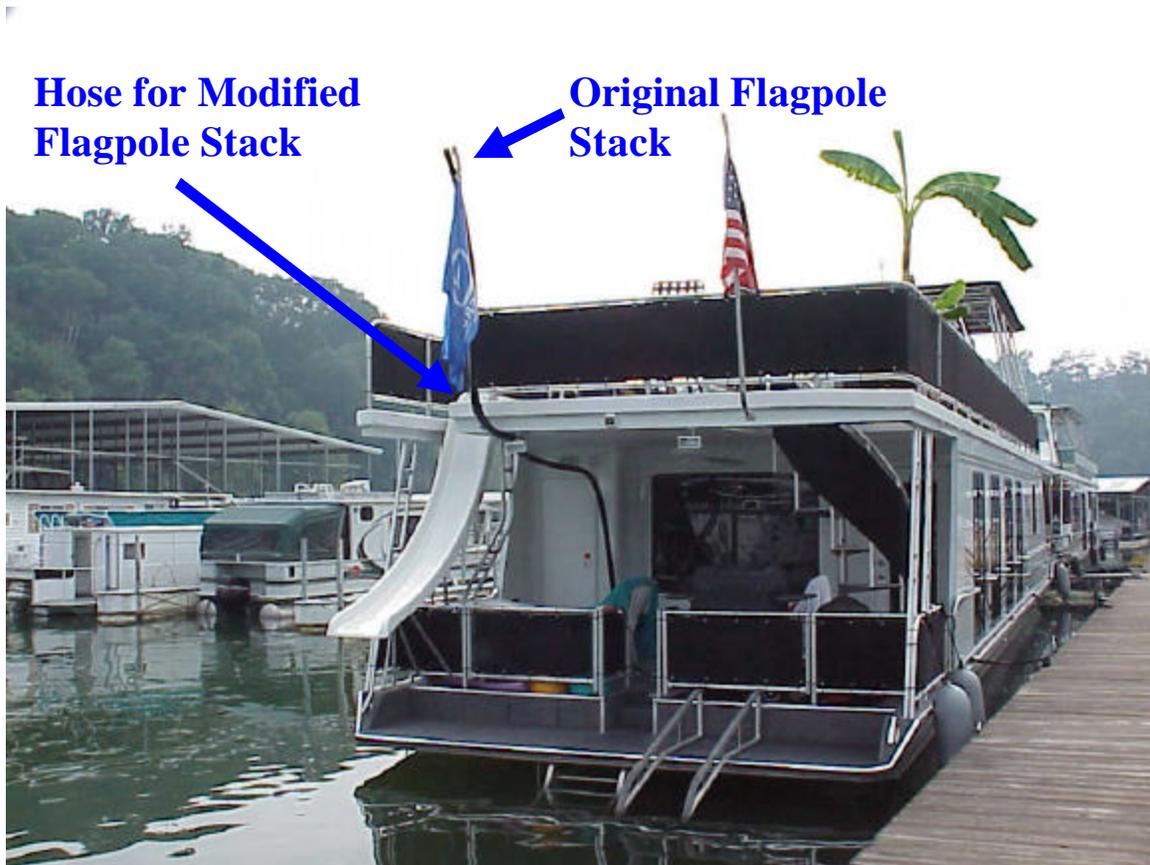


Figure 2: Modified flagpole exhaust stack on an evaluated Sumerset Custom Houseboat.

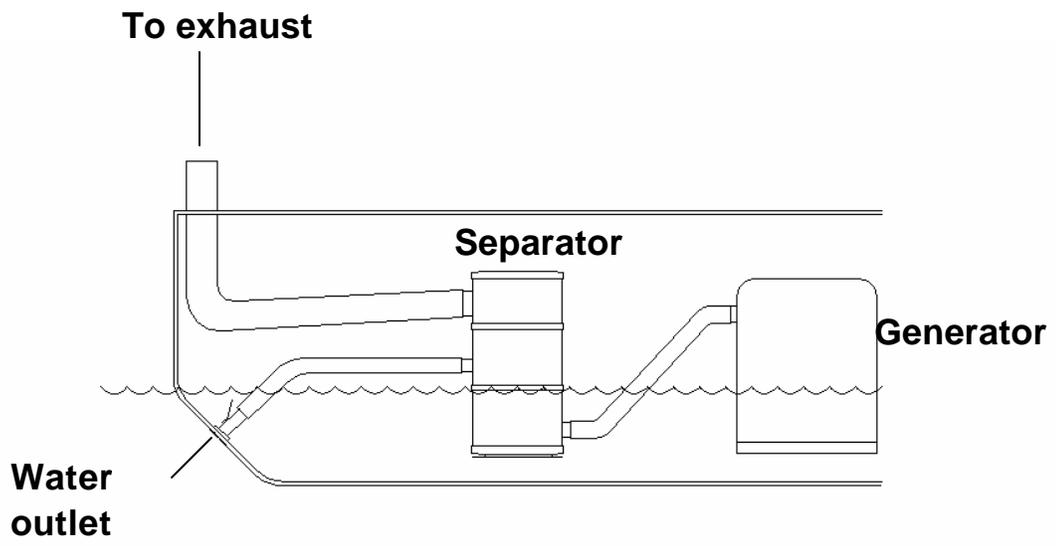


Figure 3: Simplified gas water separator configuration.



Figure 4: Combo-Sep<sup>®</sup> muffler/gas/water separator and Westerbeke 15 Kw generator.

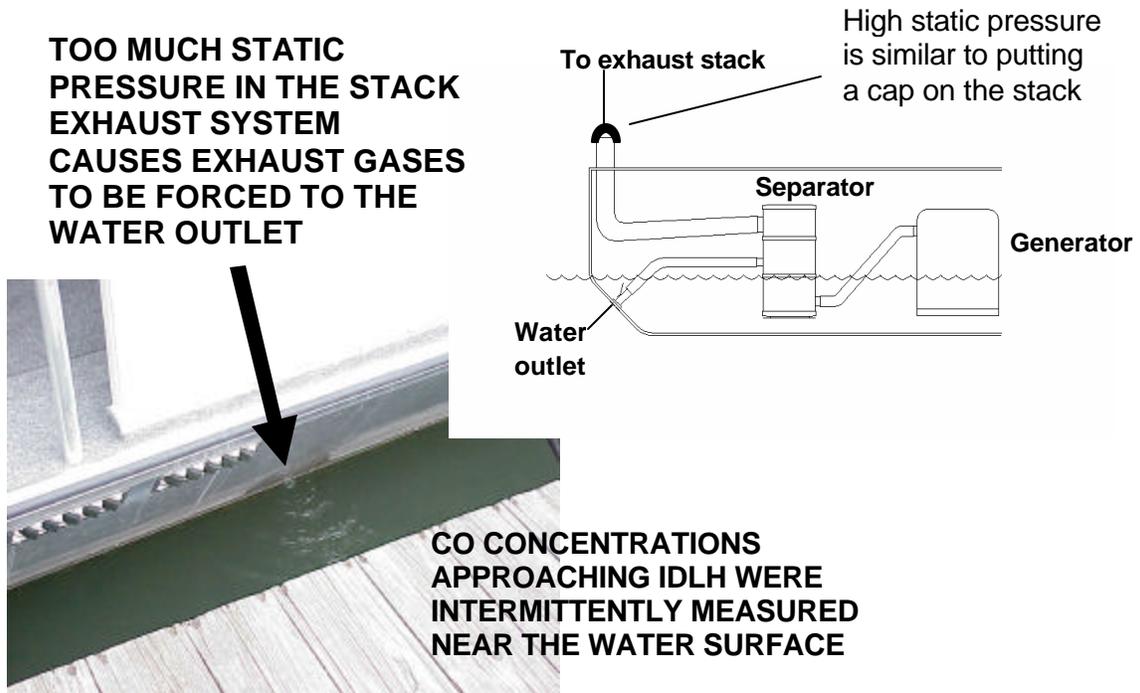


Figure 5: Visible bubbling near water outlet from high static pressure in the stack.

**Sampling locations for ToxiUltra CO monitors  
on the lower and upper deck of the houseboats**

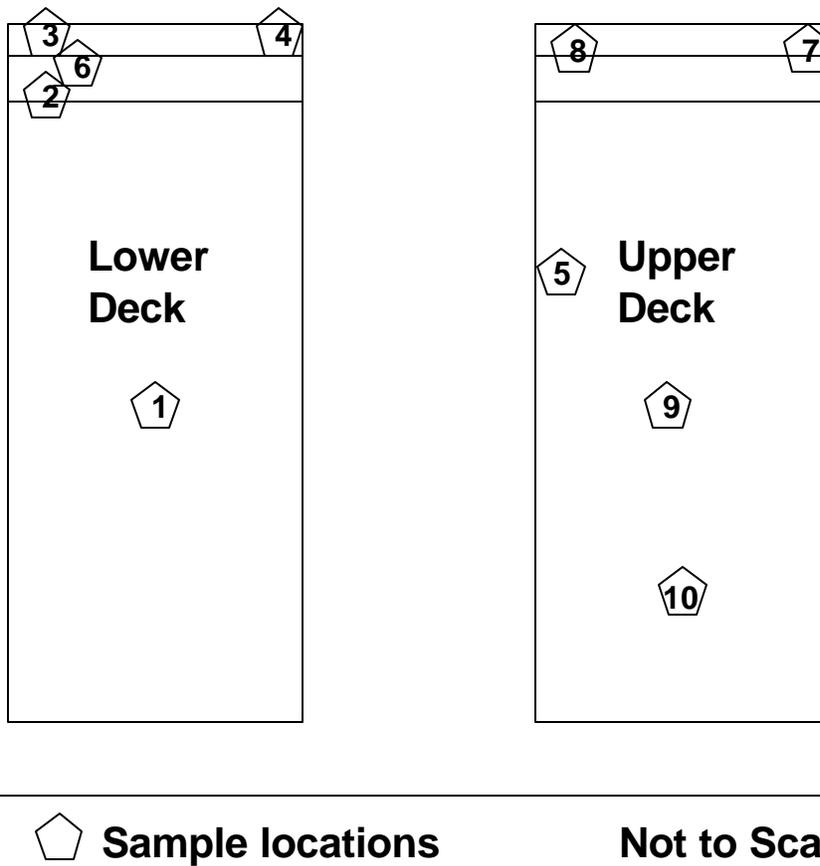


Figure 6: Sampling locations on the vertical stack and flagpole stack houseboats.

**CARBON MONOXIDE CONCENTRATIONS  
NEAR THE SWIM PLATFORM**

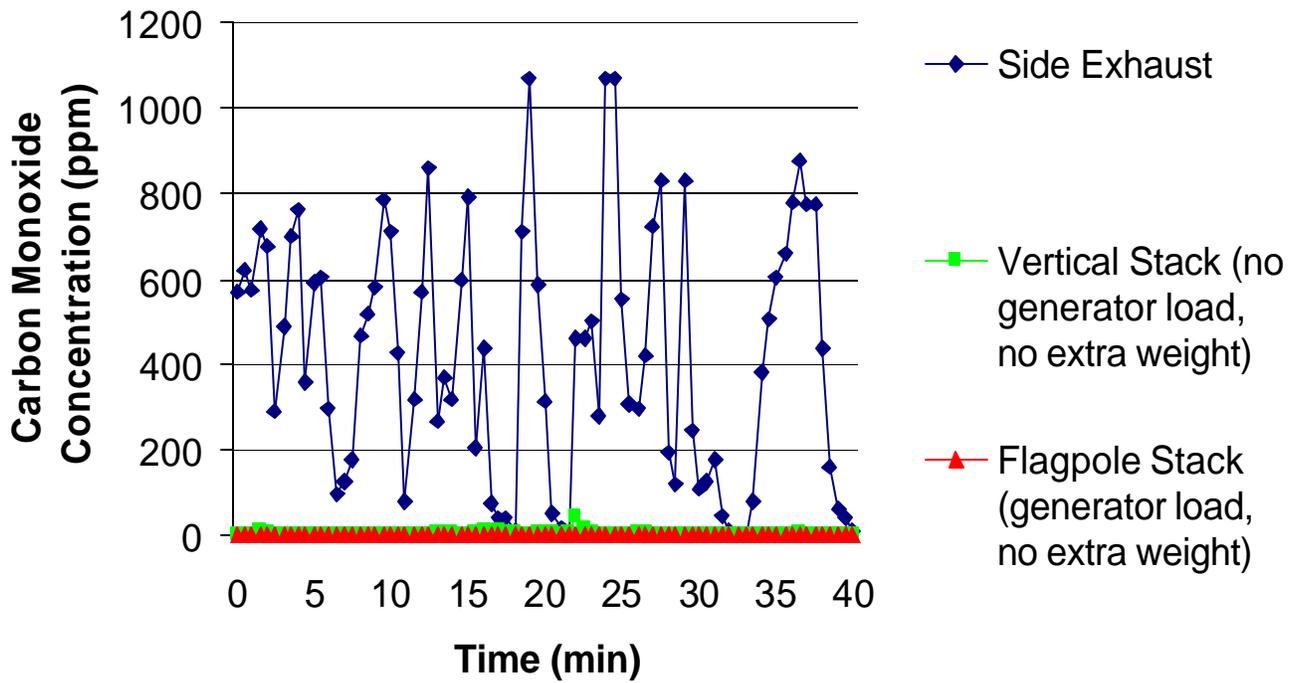


Figure 7: Comparison of CO concentrations on the houseboats lower deck for three different exhaust configurations.

### CARBON MONOXIDE CONCENTRATIONS ON THE TOP DECK NEAR THE STACK

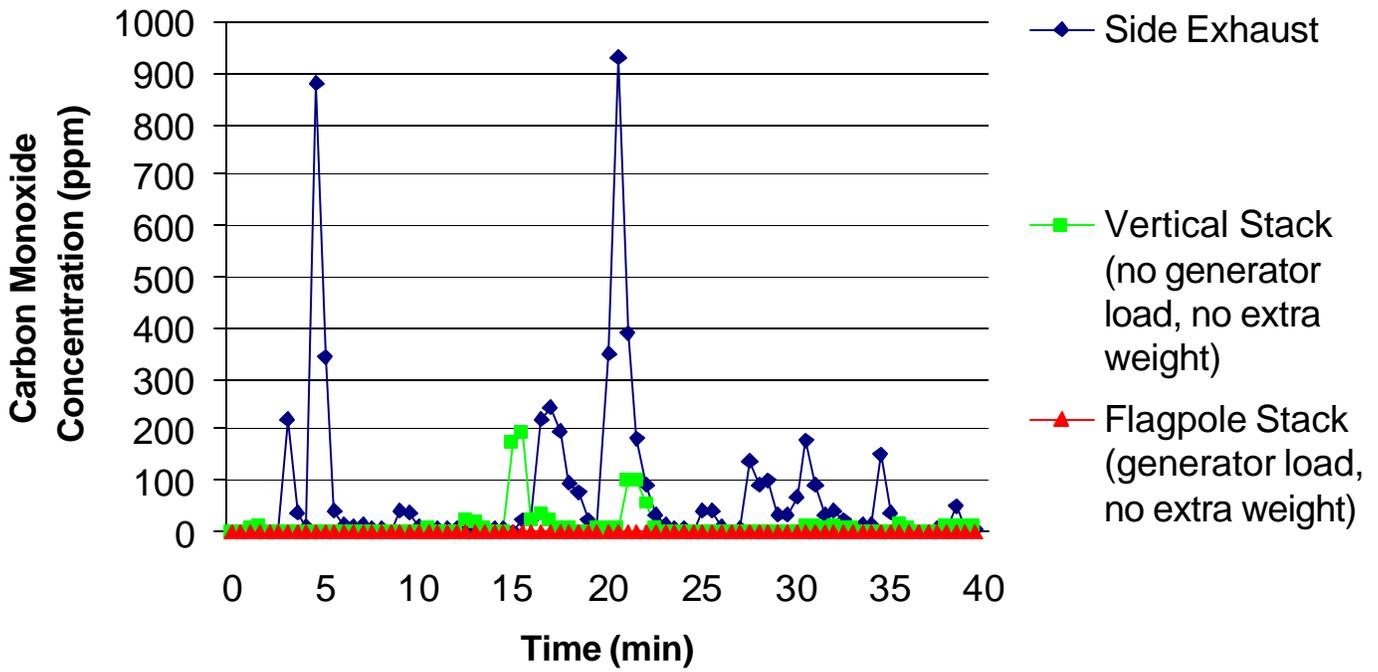


Figure 8: Comparison of CO concentrations on the houseboats upper deck near the stack for three different exhaust configurations.

**COMPARISON OF AVERAGE CO CONCENTRATIONS ON THE STARBOARD SWIM PLATFORM FOR 5 TEST CONDITIONS**

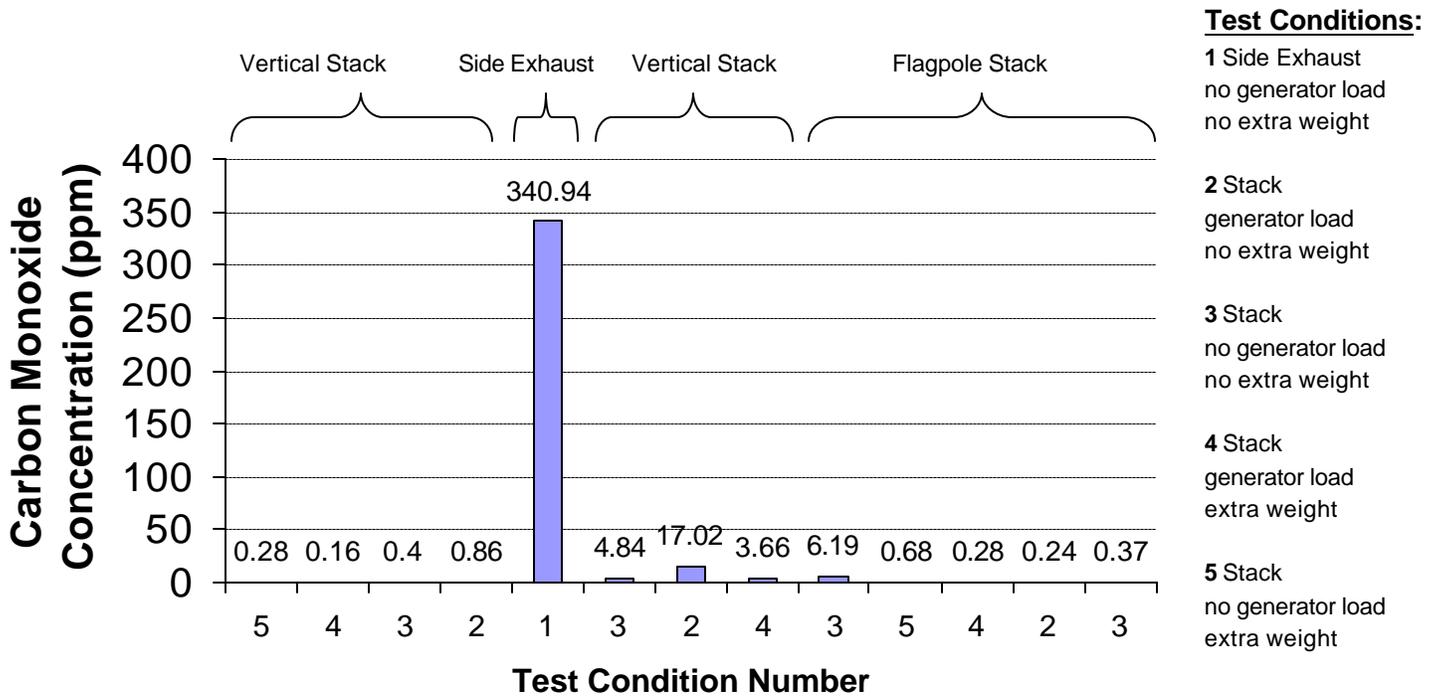


Figure 9: Comparison of average CO concentrations on the starboard swim platform for 5 test conditions.

**COMPARISON OF PEAK CO CONCENTRATIONS ON THE STARBOARD SWIM PLATFORM FOR 5 TEST CONDITIONS**

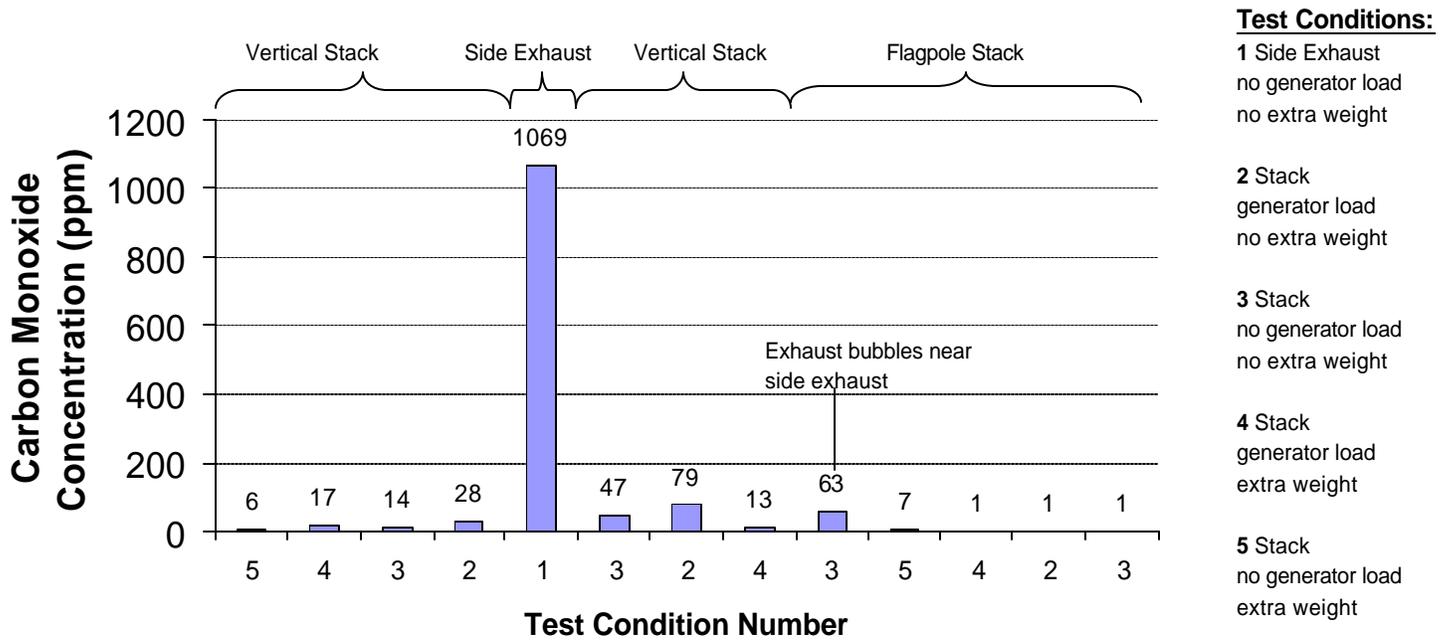


Figure 10: Comparison of peak CO concentrations on the starboard swim platform for 5 test conditions.

**COMPARISON OF AVERAGE CO CONCENTRATIONS ON THE TOP DECK NEAR THE STACK FOR 5 TEST CONDITIONS**

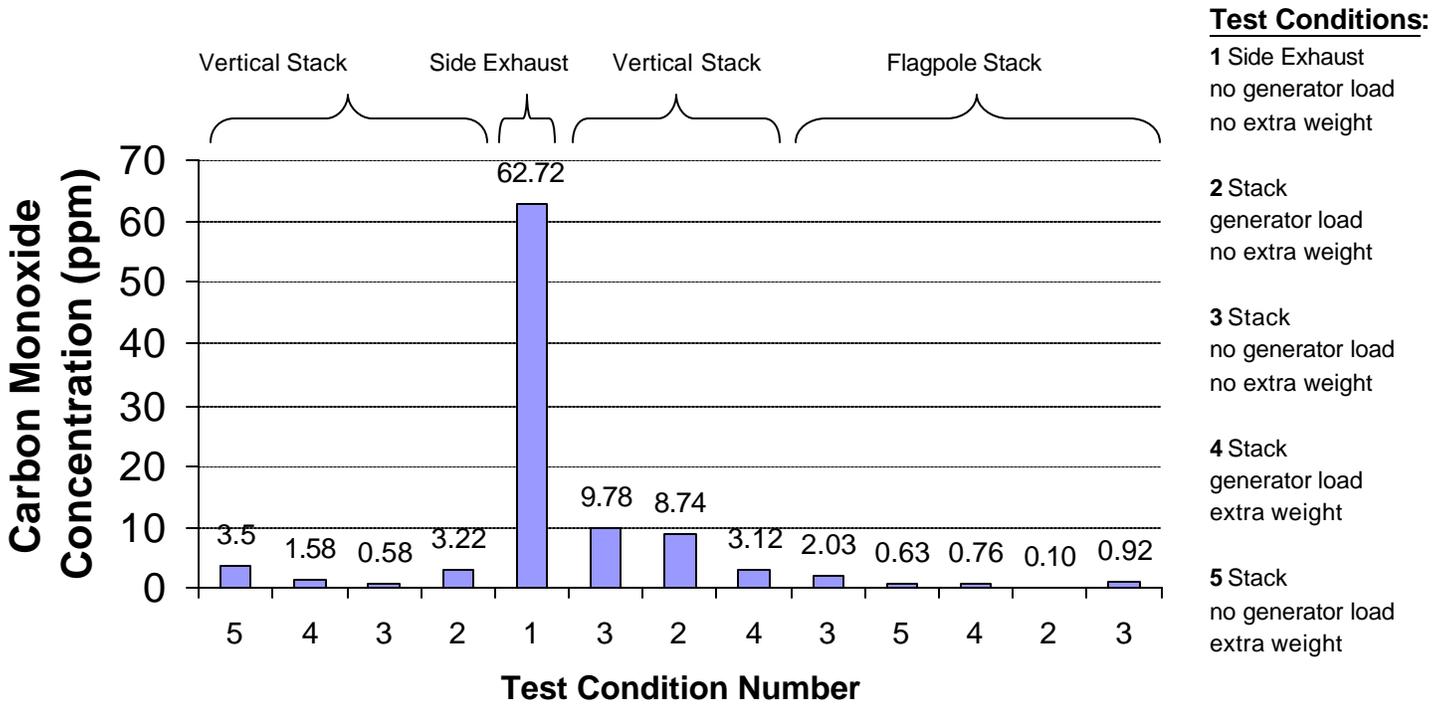


Figure 11: Comparison of average CO concentrations on the top deck near the stack for 5 test conditions.

**COMPARISON OF PEAK CO CONCENTRATIONS ON THE TOP DECK  
NEAR THE STACK FOR 5 TEST CONDITIONS**

