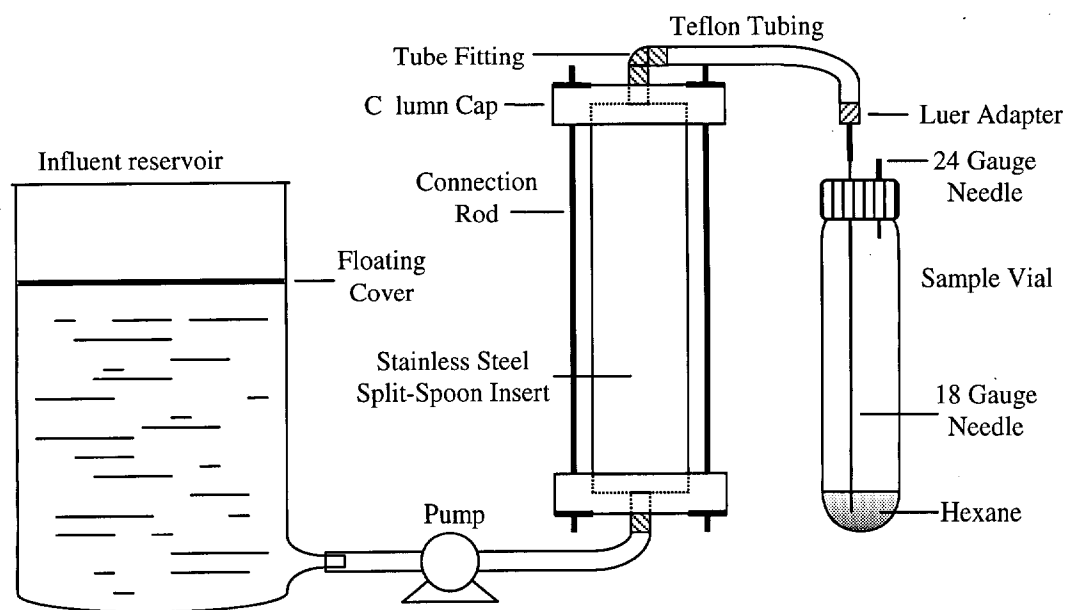
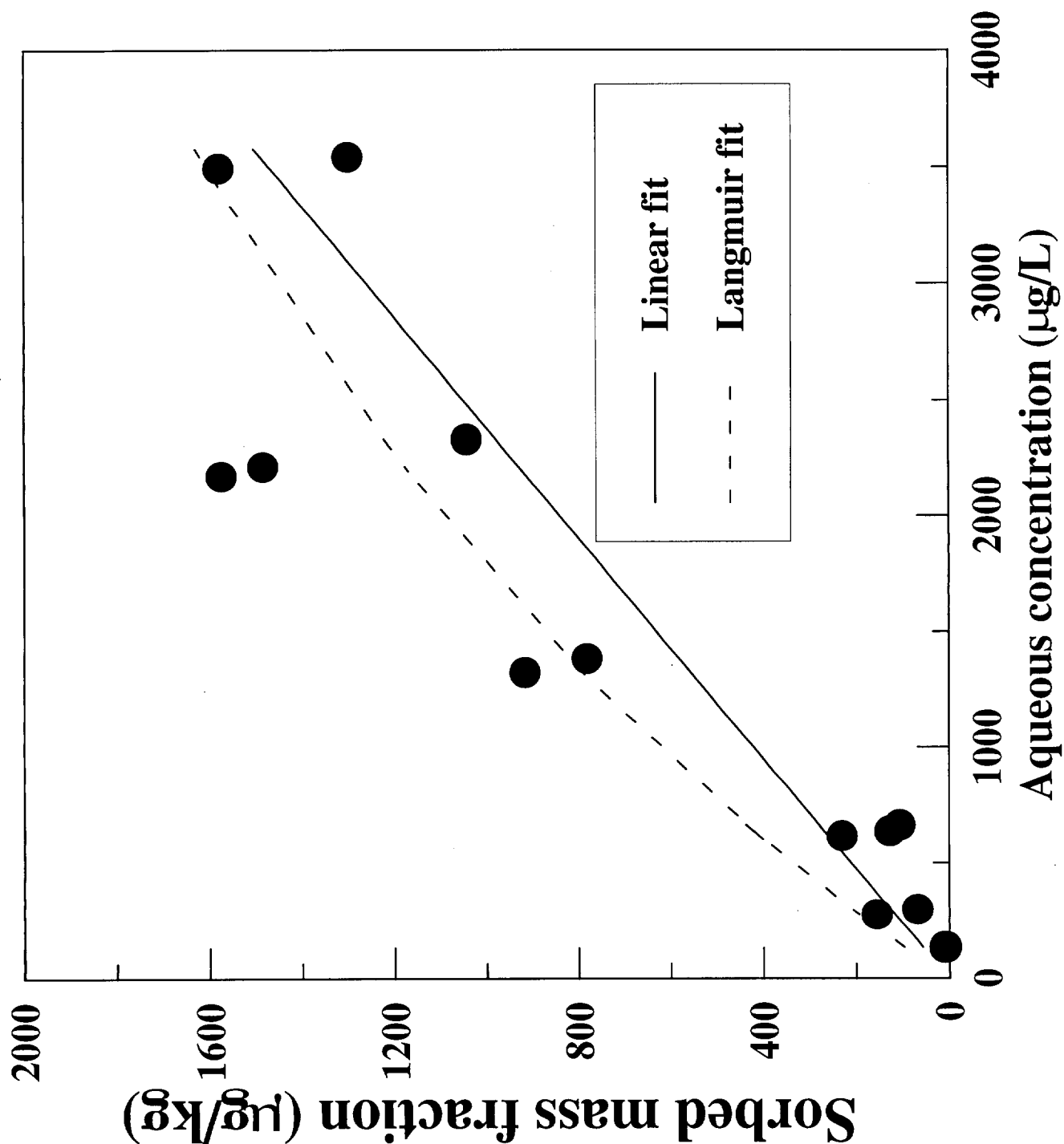


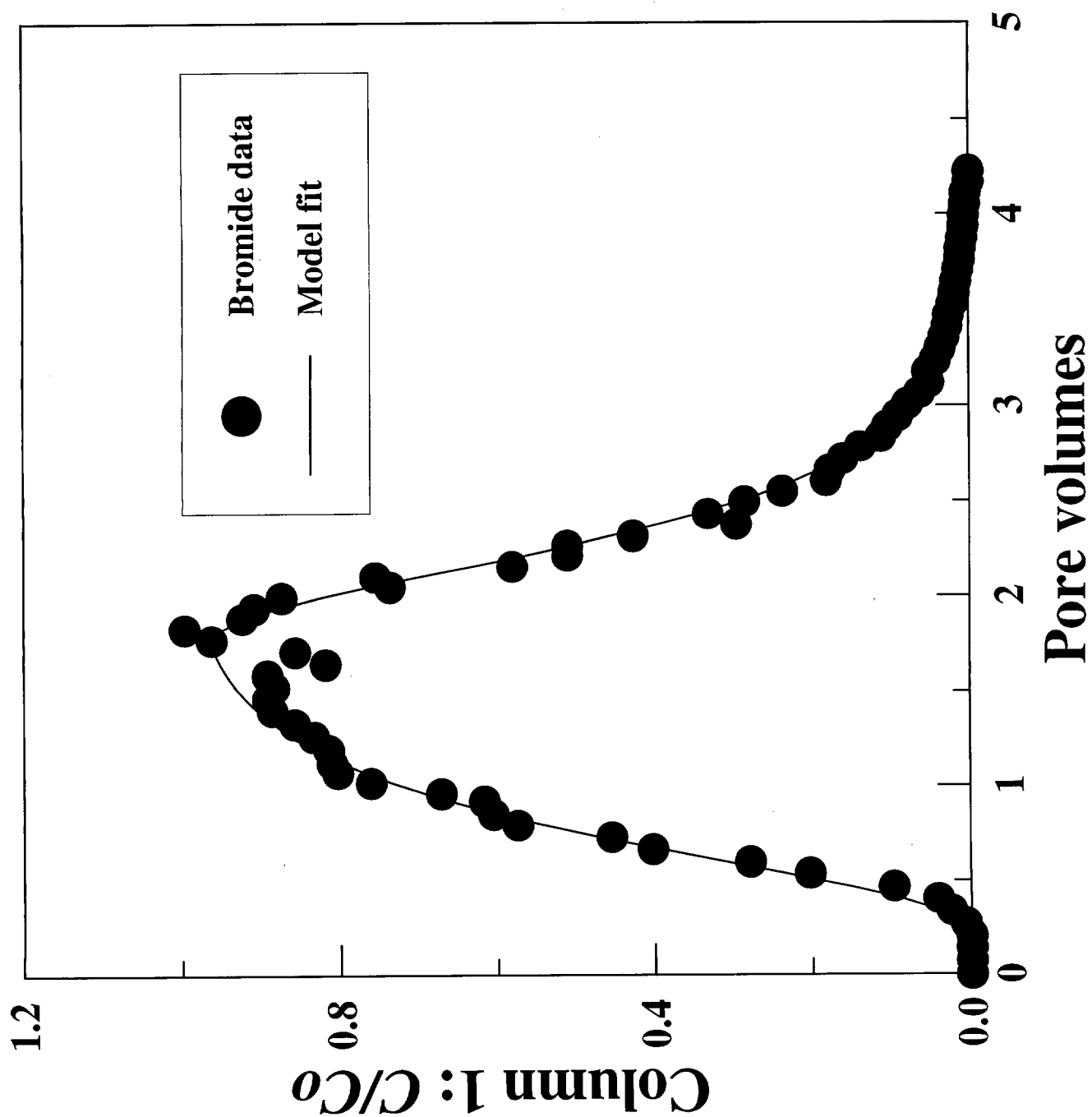


1s. Schematic of column flushing apparatus



2s. TCE sorption data and best-fit isotherms → linear: $X = 0.42C$; Langmuir:

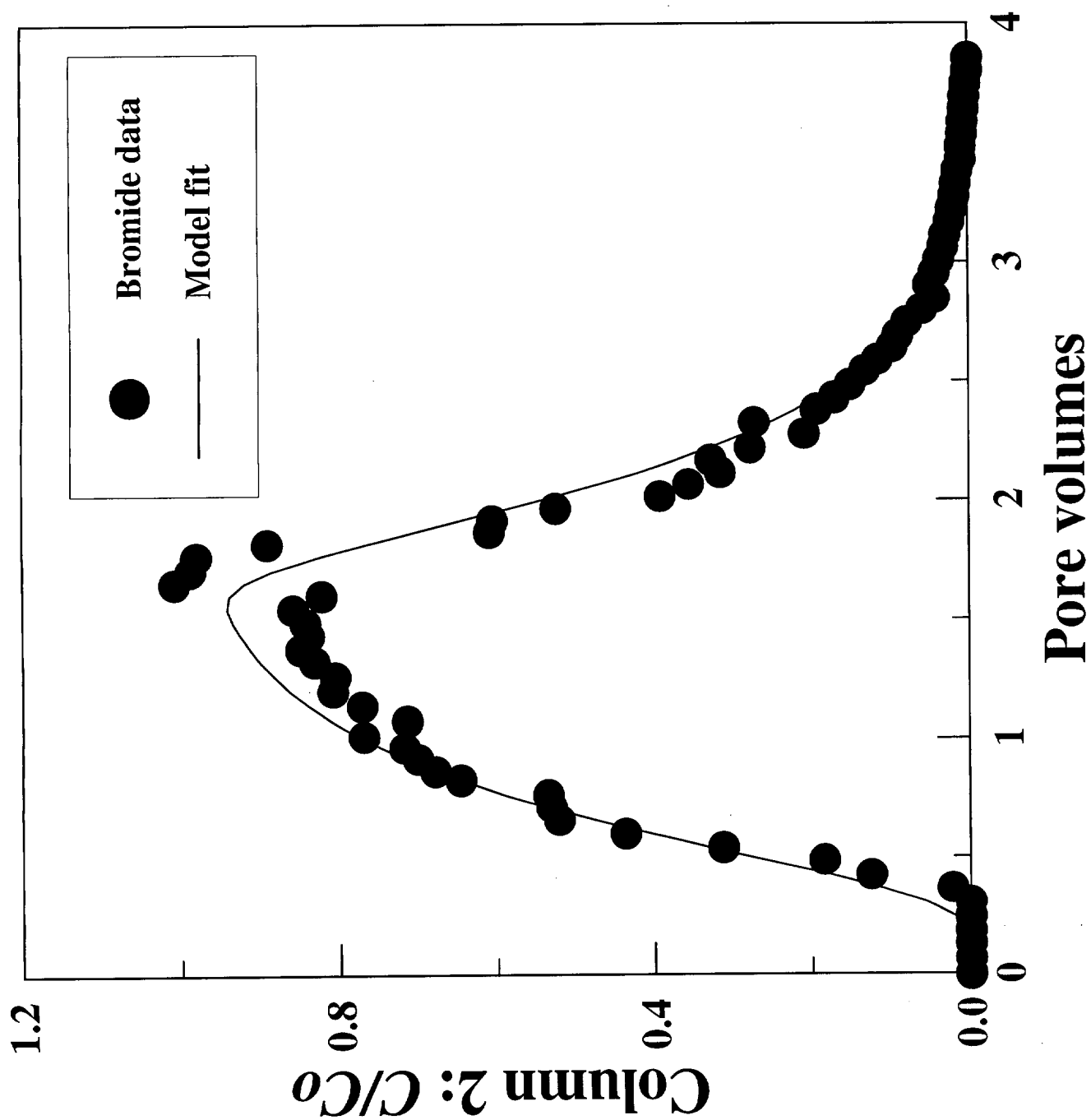
$$X = \frac{0.73C}{1 + (1.28 \times 10^{-4})C}$$



3s.

Tracer test results for column 1.

4s



4s. Tracer test results for column 2.