

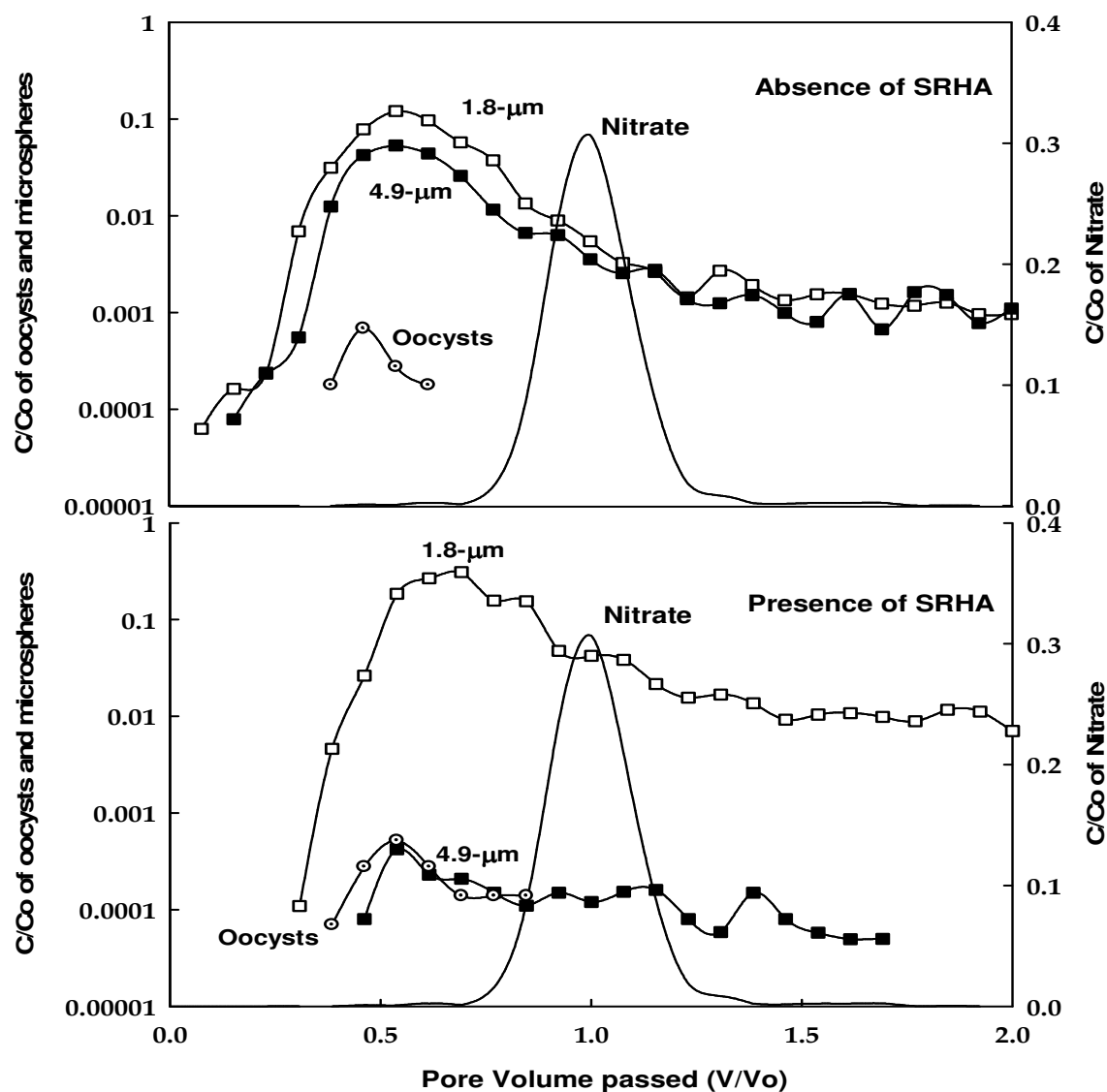


Figure 1S. Dimensionless concentration histories at $22^{\circ}\text{C} \pm 1^{\circ}\text{C}$ for conservative tracer, *C. parvum* oocysts, and 1.8- μm and 4.9- μm microspheres being advected in 10^{-3}M NaCl through 10 -cm Poamoho soil ($d_{50} = 0.65 \text{ mm}$) at 1.6 md^{-1} and pH 5.5 in the absence and presence of 100mgL^{-1} Suwannee River Humic Acid (SRHA).

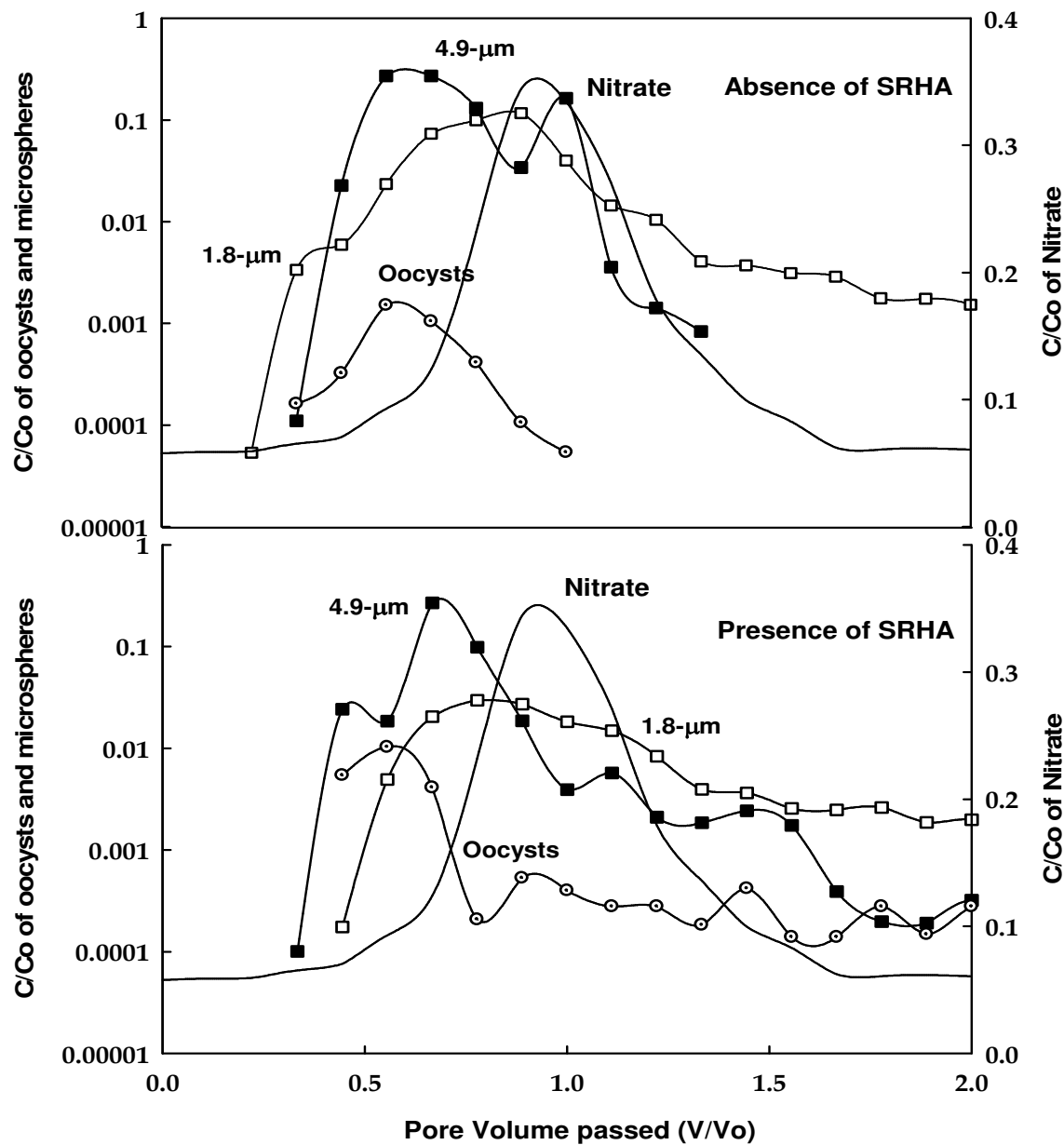


Figure 2S. Dimensionless concentration histories at $22^{\circ}\text{C} \pm 1^{\circ}\text{C}$ for conservative tracer, *C. parvum* oocysts, and 1.8- μm and 4.9- μm microspheres being advected in 10^{-3}M NaCl through 10 cm Drummer soil ($d_{50} = 1\text{ mm}$) at 1.6 md^{-1} and pH 5.5 in the absence and presence of 100 mgL^{-1} SRHA.

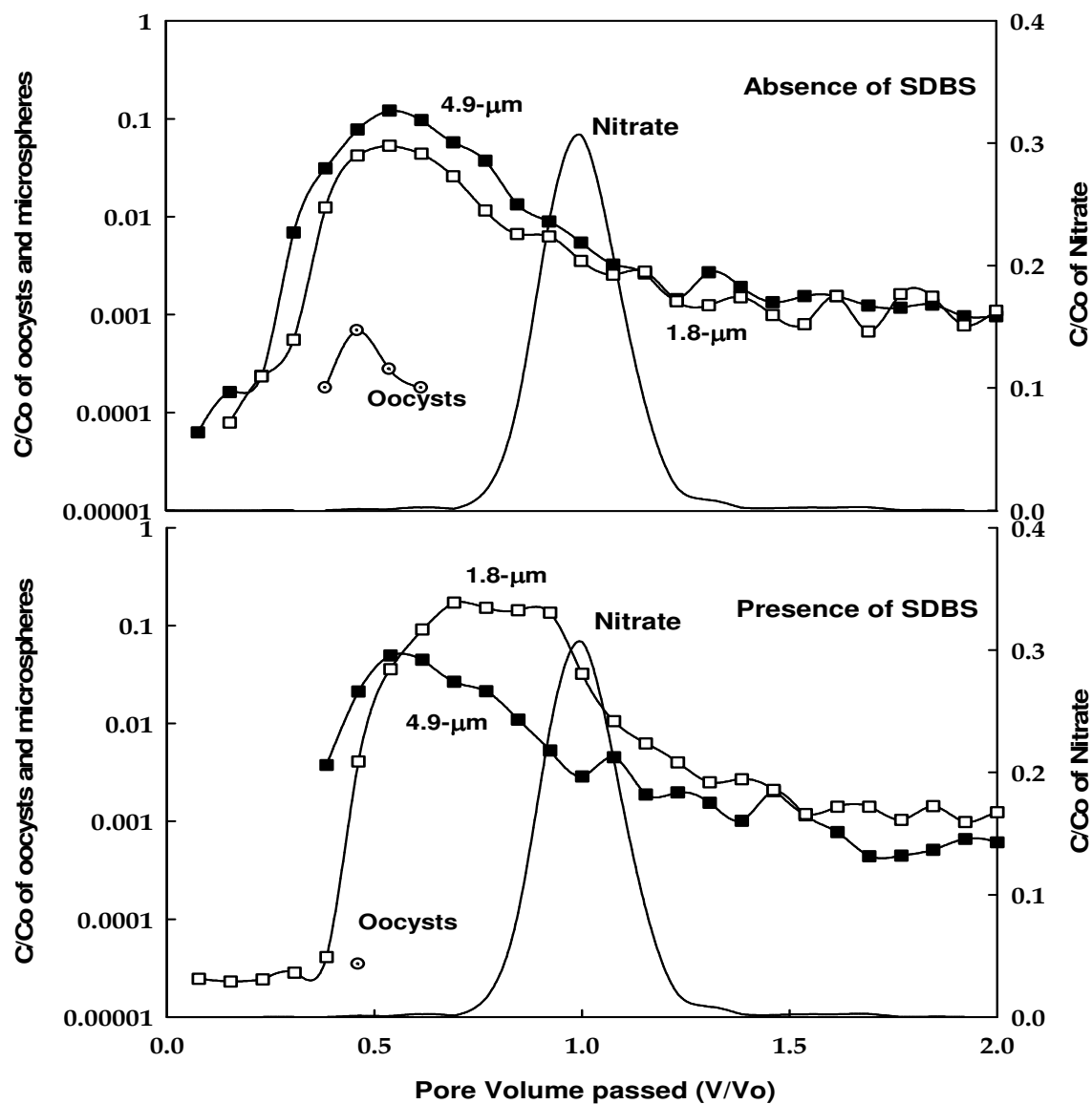


Figure 3S. Dimensionless concentration histories at $22^{\circ}\text{C} \pm 1^{\circ}\text{C}$ for conservative tracer, *C. parvum* oocysts, and 1.8- μm and 4.9- μm microspheres being advected in 10^{-3}M NaCl through 10 -cm Poamoho soil ($d_{50} = 0.65$ mm) at 1.6 md^{-1} and pH 5.5 in the absence and presence of 100 mgL^{-1} Sodium Dodecyl Benzene Sulfonate (SDBS).

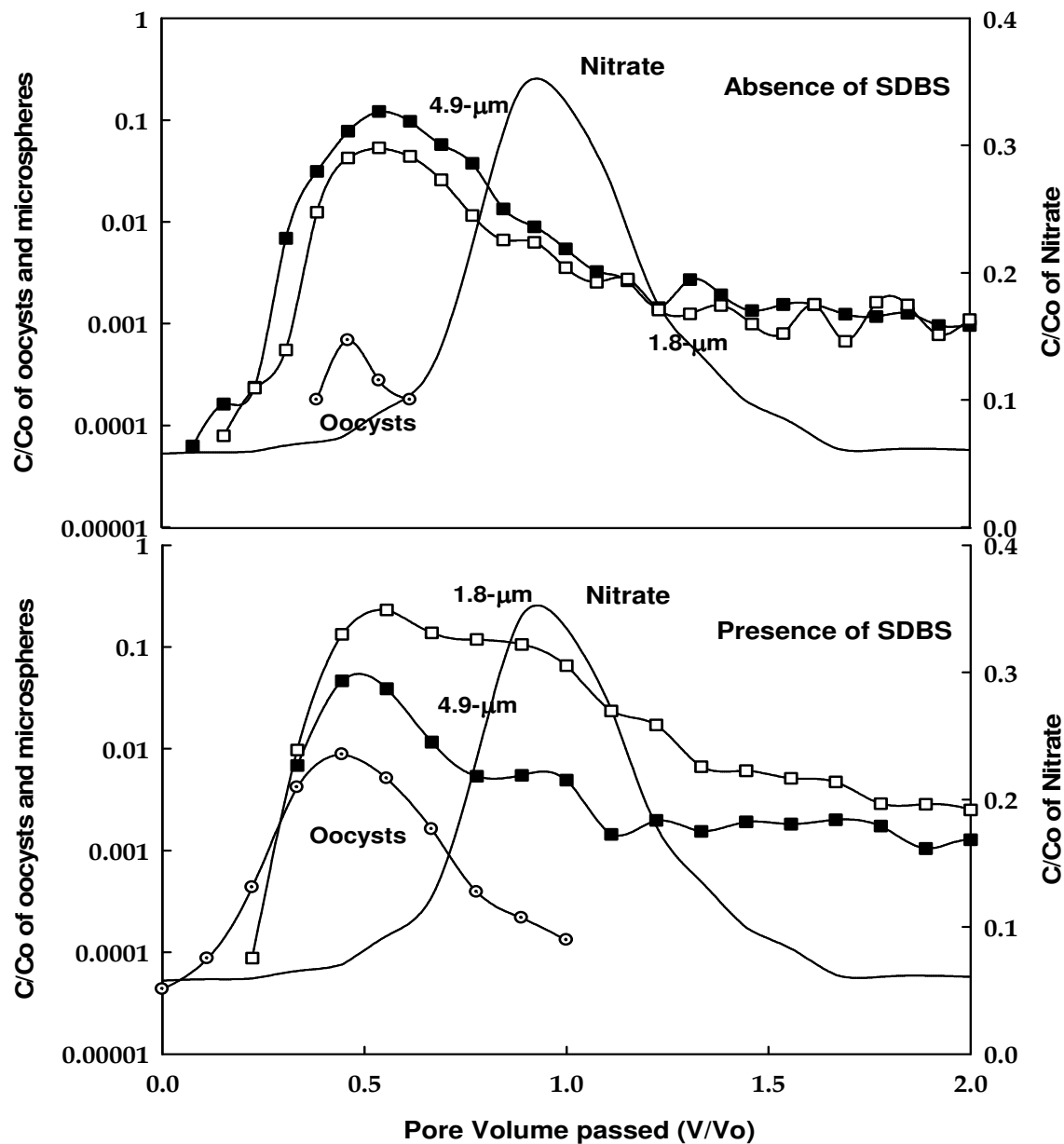


Figure 4S. Dimensionless concentration histories at $22^{\circ}\text{C} \pm 1^{\circ}\text{C}$ for conservative tracer, *C. parvum* oocysts, and 1.8- μm and 4.9- μm microspheres being advected in 10^{-3}M NaCl through 10 -cm Drummer soil ($d_{50} = 1\text{ mm}$) at 1.6 md^{-1} and pH 5.5 in the absence and presence of 100 mgL^{-1} SDBS.