Appendix Figure 1. Rosenfeld-Tarazona analysis of potential energy-temperature relations. (a) Comparison of MD data to parameterizations of the form \( U = a + bT^{3/5} \) (Rosenfeld and Tarazona 1998) for results along 12 isochores. See Appendix Table 1. (b) Residuals in \( U \) corresponding to the Rosenfeld-Tarazona model expressions when compared to MD simulation results. The uncertainty brackets correspond to those of the MD simulations; model residuals are well within the 1σ brackets.

Appendix Figure 2. Polynomial representation of the volume dependence of the Rosenfeld-Tarazona model slopes and intercepts. Uncertainties shown are the statistical uncertainties of the linear fits along each isochore (Appendix Table 1). Polynomial coefficients are provided in Appendix Table 2. (a) \( a(V) \); (b) \( b(V) \).

Appendix Figure 3. Model EOS recovery of the MD simulation data. Pressure uncertainty as reported in Deposit Table 3. An average simulation temperature is used to calculate each model isotherm: 2112, 2580, 3082, 3583 (\( T_0 \)), 4068, 4553, and 5042 K.