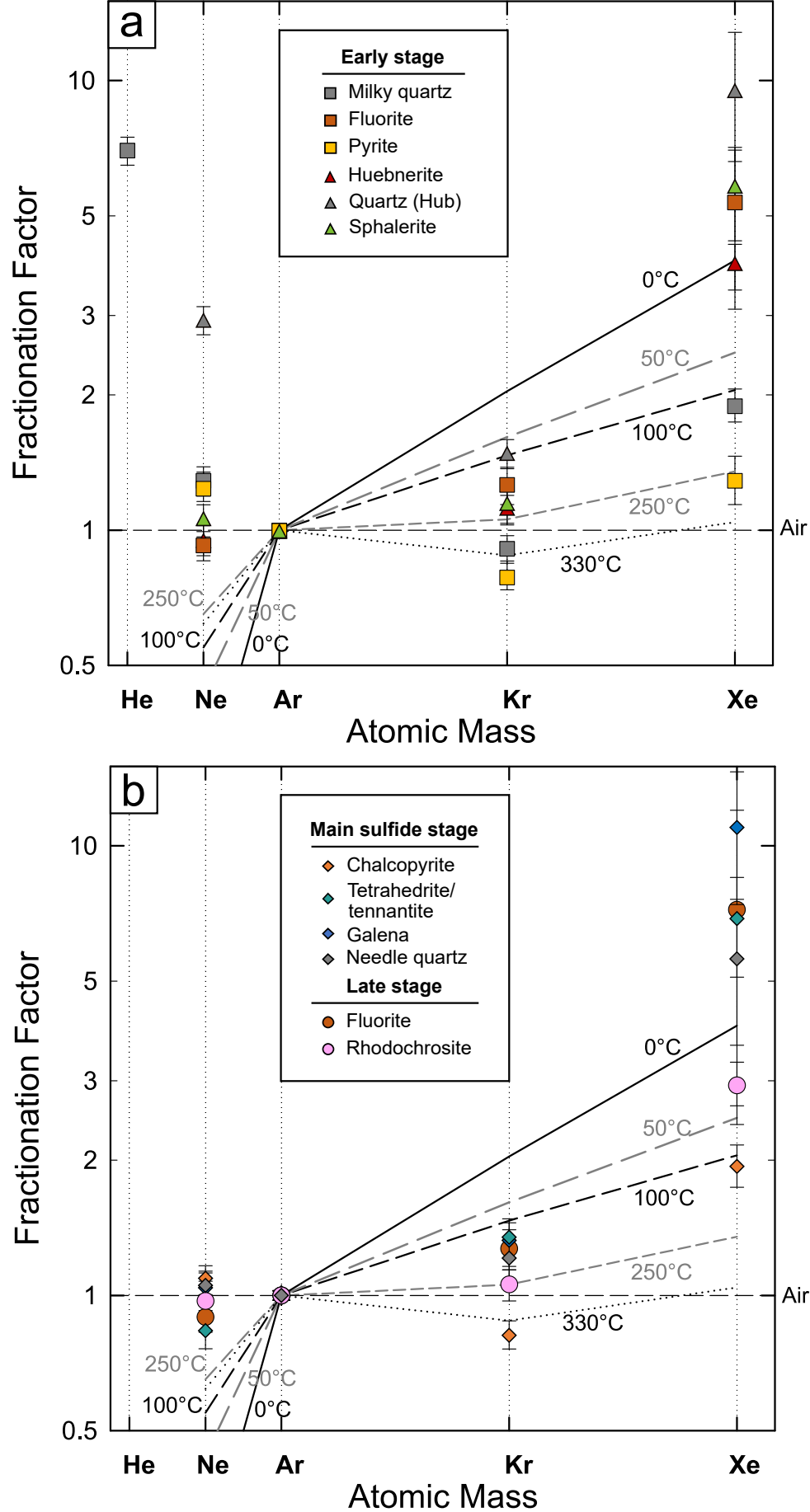


ESM Fig. 3



ESM Figure 3 Logarithmic plots of noble gas abundances in Detroit City portal ore and gangue minerals as (a): early stage (ES) and (b): main sulfide (MSS) and late stage (LS) expressed as fractionation factors (ratios) relative to ^{36}Ar and air $(^{i}\text{X}/^{36}\text{Ar})_{\text{sample}}/(^{i}\text{X}/^{36}\text{Ar})_{\text{air}}$, where ^iX is a noble gas. The labeled curves show dissolution equilibrium of noble gases in water for 0°C and 50°C at 5 wt.% salinity according to Smith and Kennedy (1983) and for 100°C, 250°C, and 330°C at zero salinity according to Crovetto et al. (1982). Early-stage quartz that is intergrown with huebnerite is displayed as “Quartz (Hub)”.