Gas-phase loss is faster than particle-phase loss.

Particle-phase loss is faster than gas-phase loss.

Particulate fraction larger than equilibrium value.

Initial State

Fast Partitioning

Gas-phase loss is faster than particle-phase loss.

Particle-phase loss is faster than gas-phase loss.

Slow Partitioning

Particulate fraction smaller than equilibrium value.

(a) Particulate fraction at equilibrium value

(b) Particulate fraction larger than equilibrium value

(c) Particulate fraction smaller than equilibrium value