## Gas-phase Advection

- · driving forces include:
  - · pressure gradients due to:
    - · barometric pressure variation
    - · water movement (Vadore gove)
    - · vapourization at source
    - o murchal activity
  - · density gradients due to:
    - · composition Deflevent proportions of compounds in gas mixture

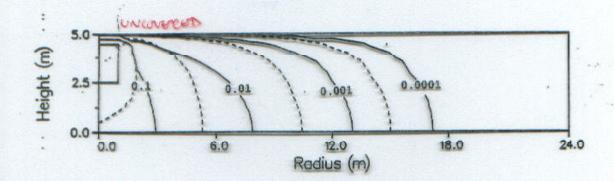
· temperature (convection call)

Summer Summer

## Gas-phase Advection

## Example

- · advection due to compositional density
- · medium-grained sand (k = 10<sup>-11</sup> m<sup>2</sup>)



13.8 kg to groundwater after 6 months

Compared to 5.7kg ofter 6 months