Determined particle concentration is too high

- Enrichment of particles intake efficiency $> 1$
- Too many particles identified/counted (false positives)
- Particles deposited due to contamination
- Actual air mass flow $> \text{measured mass flow}$

Determined particle concentration is too low

- Depletion of particles intake efficiency $< 1$
- Not all particles extracted
- Not all particles identified/counted (false negatives)
- Actual air mass flow $< \text{measured mass flow}$