Records identified through database searching (n = 3545)

Additional records identified through other sources (n = 74)

Records after duplicates removed (n = 2710)

Records screened (n = 2710)

Full-text articles assessed for eligibility (n = 101)

Full-text articles excluded (n = 28)
  - Double publication (n = 1)
  - No exhaled VOCs study (n = 2)
  - No clinical study (n = 12)
  - No control group (n = 4)
  - In vitro study (n = 9)

Studies included (n = 73)

Records excluded (n = 2609)