

## Appendix J Percentage Difference as a Response of Pollutant Concentration

In this Appendix, plots of the calculated percentage difference (P) between pollutant concentrations at 1.68 m ( $C_{1.68}$ ) compared to 0.80 m ( $C_{0.80}$ ) in relation to the measured concentrations. The following equation was used for this calculation:

$$P = \frac{C_{1.68} - C_{0.80}}{C_{0.80}} \quad (J1)$$

The plots are split between gaseous pollutants:

- Nitrogen dioxide (NO<sub>2</sub>)
- Nitric oxide (NO)
- Sulphur dioxide (SO<sub>2</sub>)

And particulate pollutants:

- Particulate matter with a mean aerodynamic diameter of 0.5 µm (PM<sub>0.5</sub>)
- Particulate matter with a mean aerodynamic diameter of 1.0 µm (PM<sub>1.0</sub>)
- Particulate matter with a mean aerodynamic diameter of 5.0 µm (PM<sub>5.0</sub>)
- Particulate matter with a mean aerodynamic diameter of 10 µm (PM<sub>10</sub>)
- Total particulate matter (TPM)
- Black carbon (BC)
- Ultrafine particles between 10 nm and 300 nm in diameter (UFP)

And by the following streets:

- Glasgow City Centre
- Hope St
- Sauchiehall St/Buchanan St
- High St

Figure J1 Percentage Difference in Concentrations by Gaseous Pollutant vs Height – Glasgow City Centre

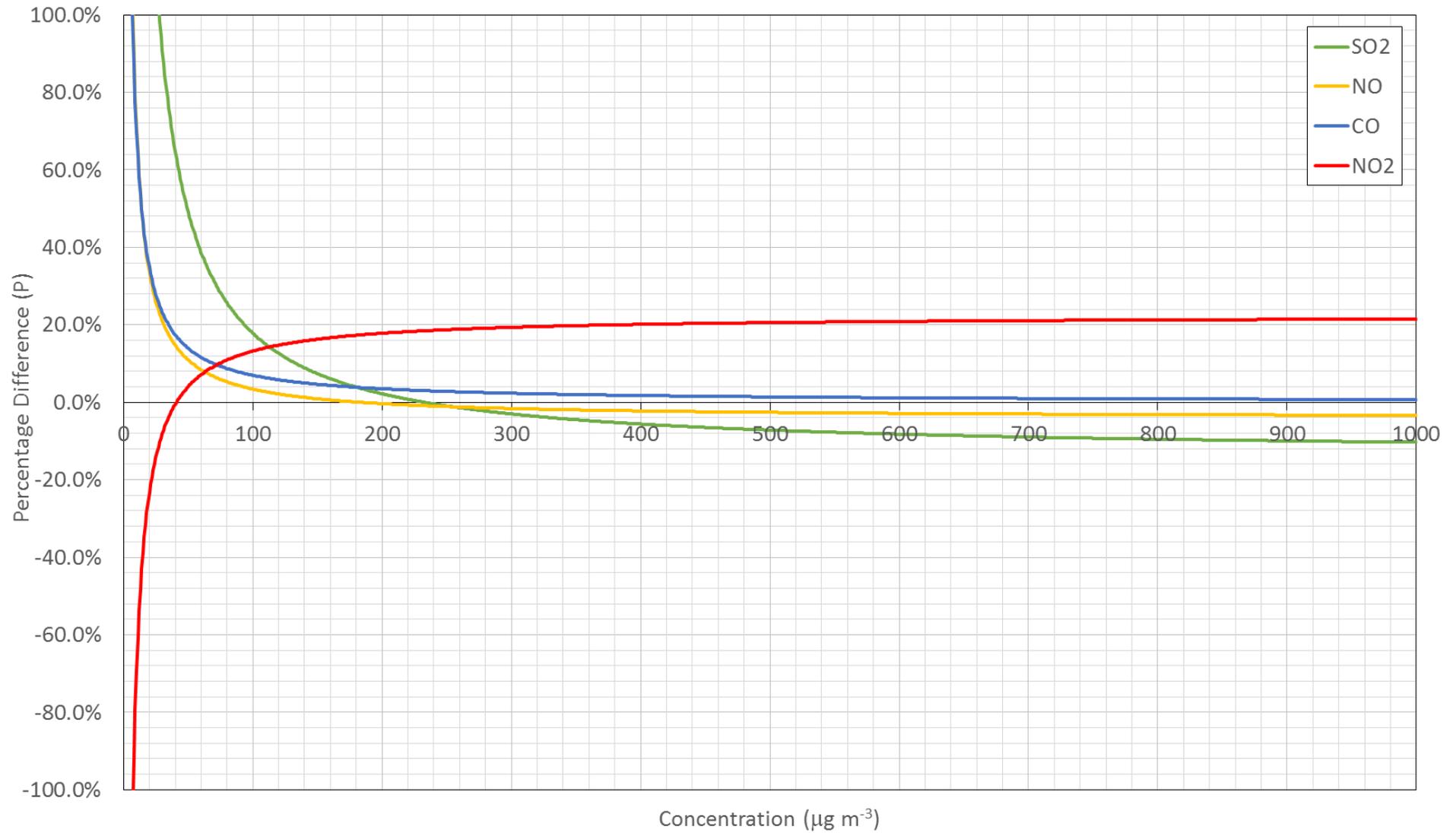


Figure J2 Percentage Difference in Concentrations by Particulate Pollutant vs Height – Glasgow City Centre

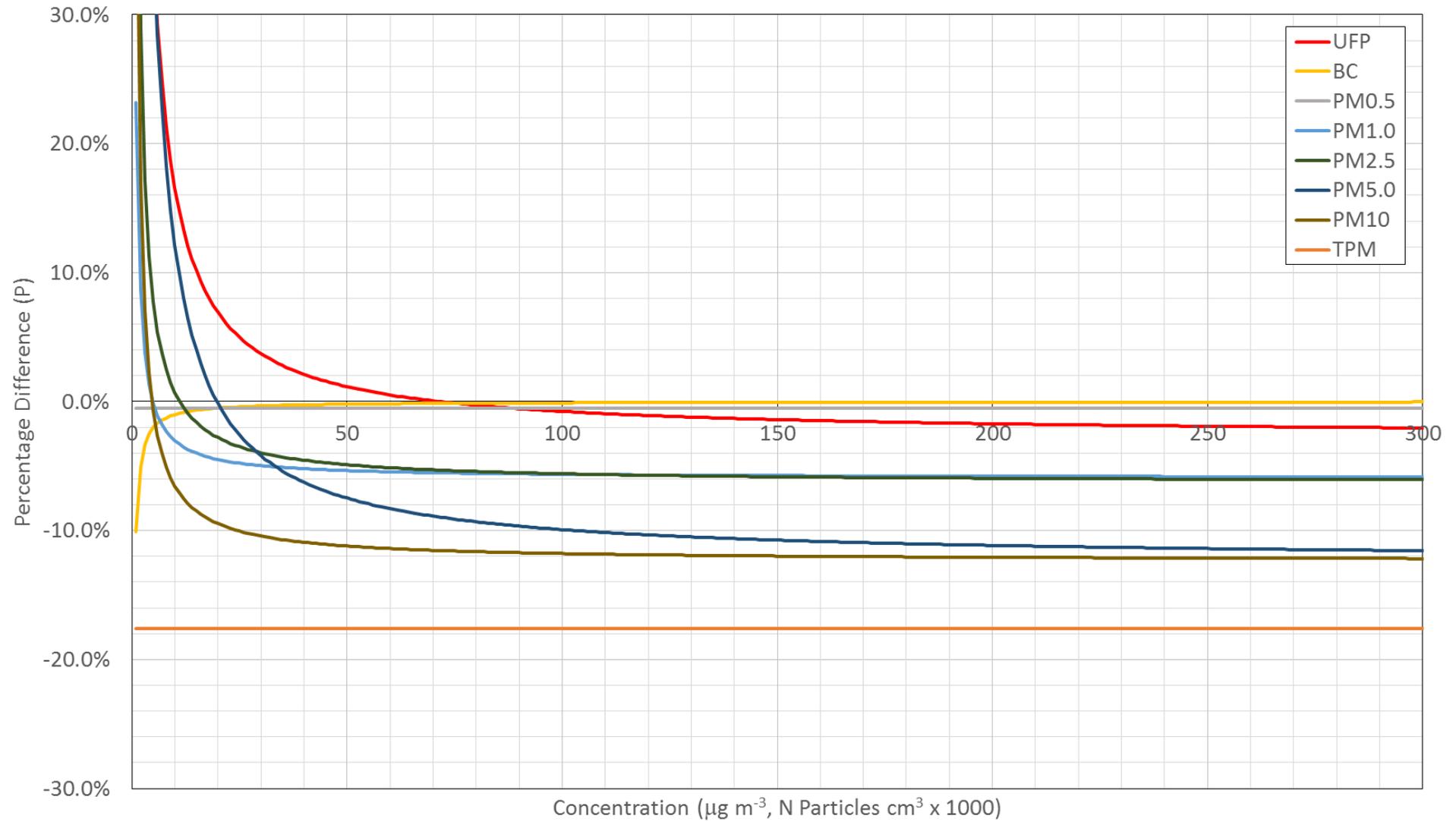


Figure J3 Percentage Difference in Concentrations by Gaseous Pollutant vs Height – Hope Street, Glasgow

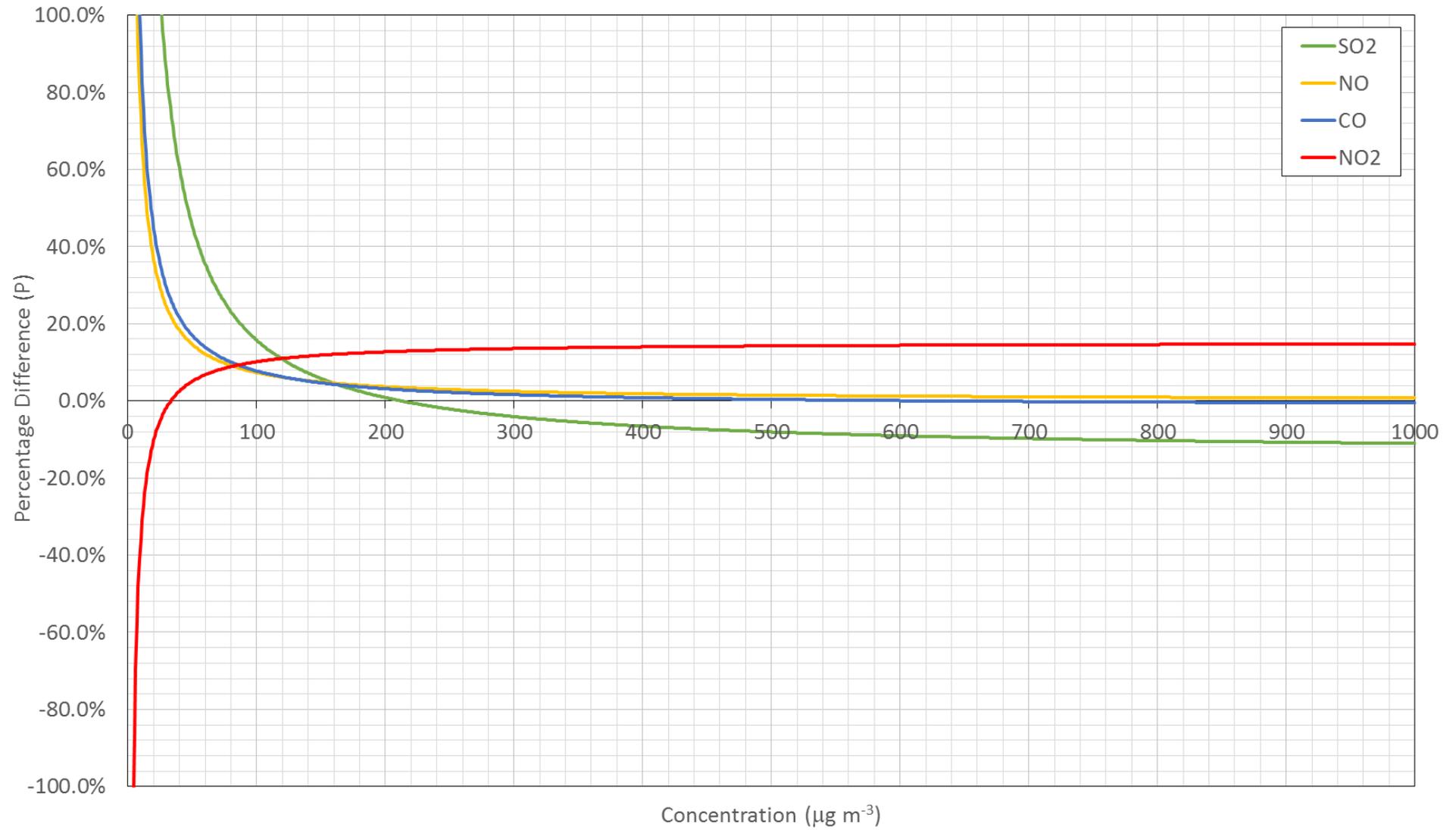


Figure J4 Percentage Difference in Concentrations by Particulate Pollutant vs Height – Hope Street, Glasgow

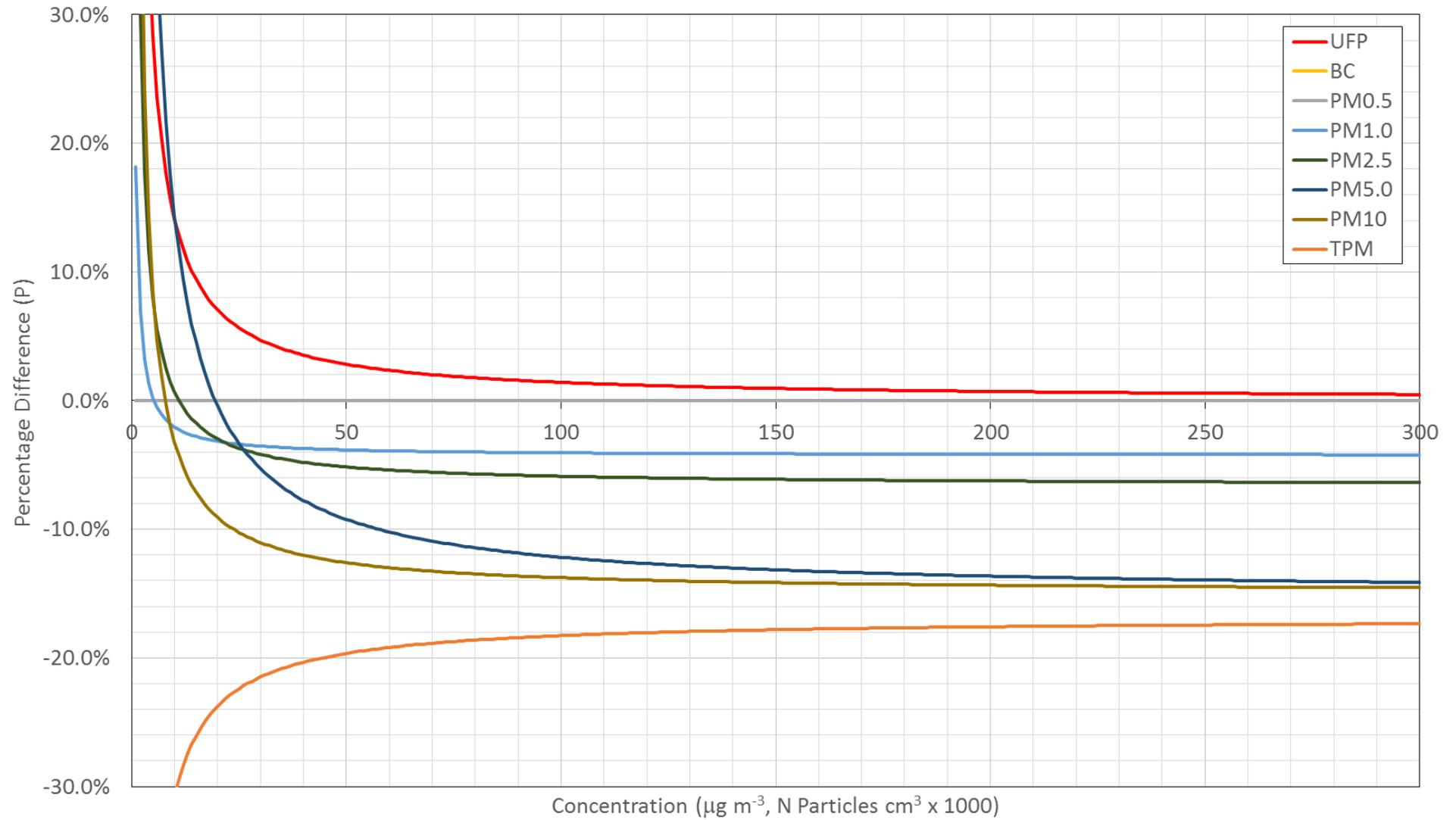


Figure J5 Percentage Difference in Concentrations by Gaseous Pollutant vs Height – Sauchiehall Street/Buchanan Street, Glasgow

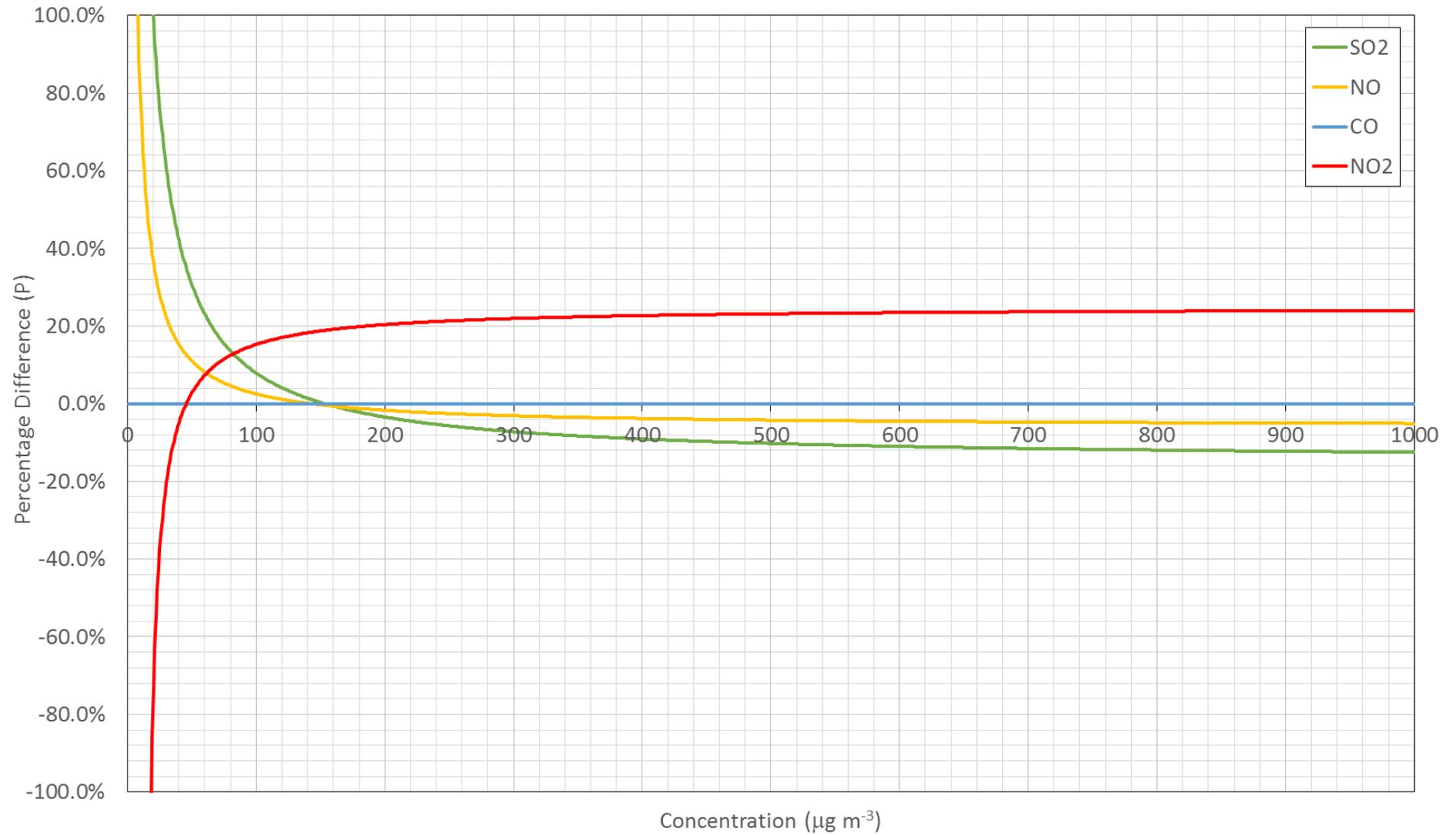


Figure J6 Percentage Difference in Concentrations by Particulate Pollutant vs Height – Sauchiehall Street/Buchanan Street, Glasgow

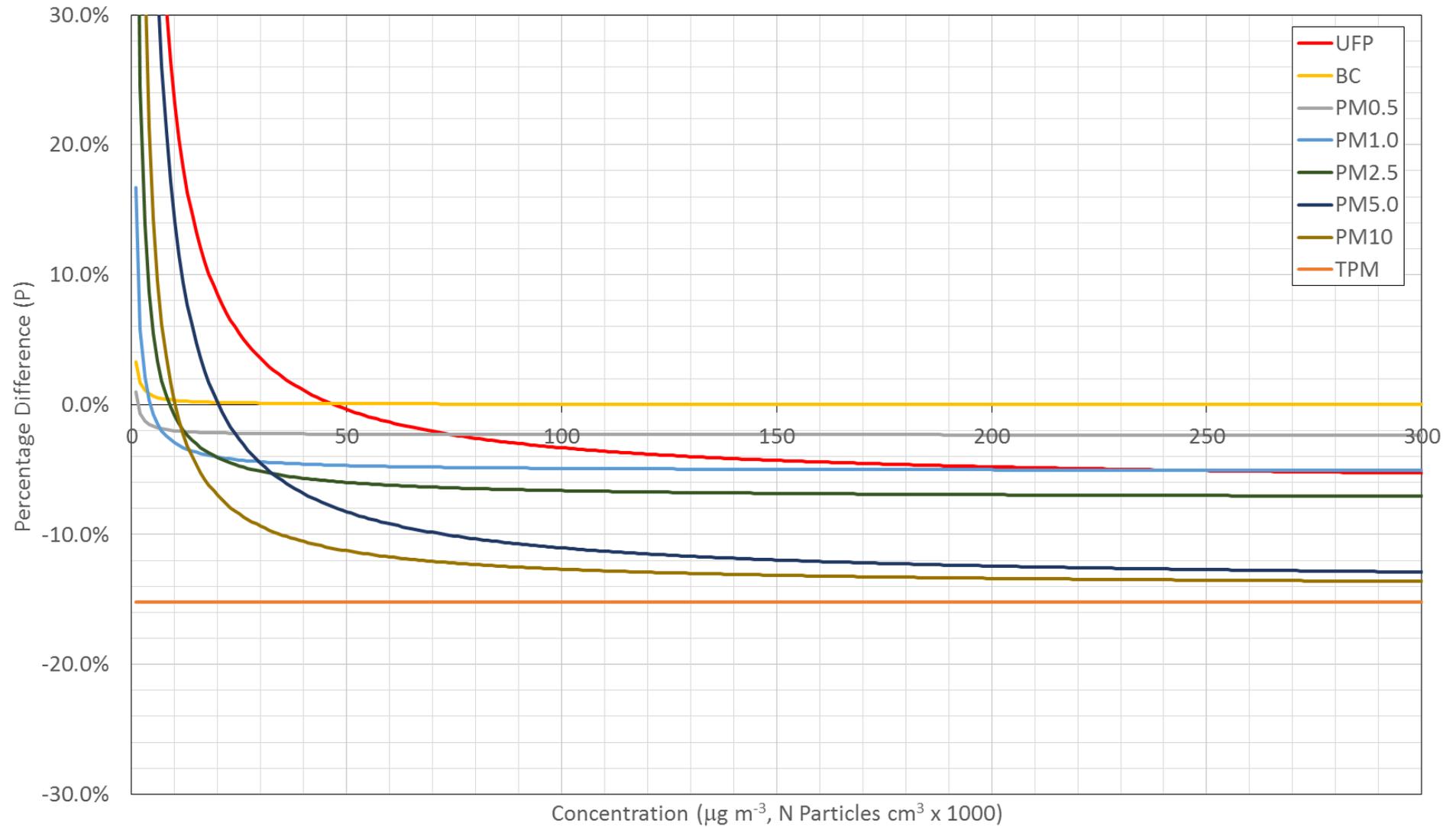


Figure J7 Percentage Difference in Concentrations by Gaseous Pollutant vs Height – High Street, Glasgow

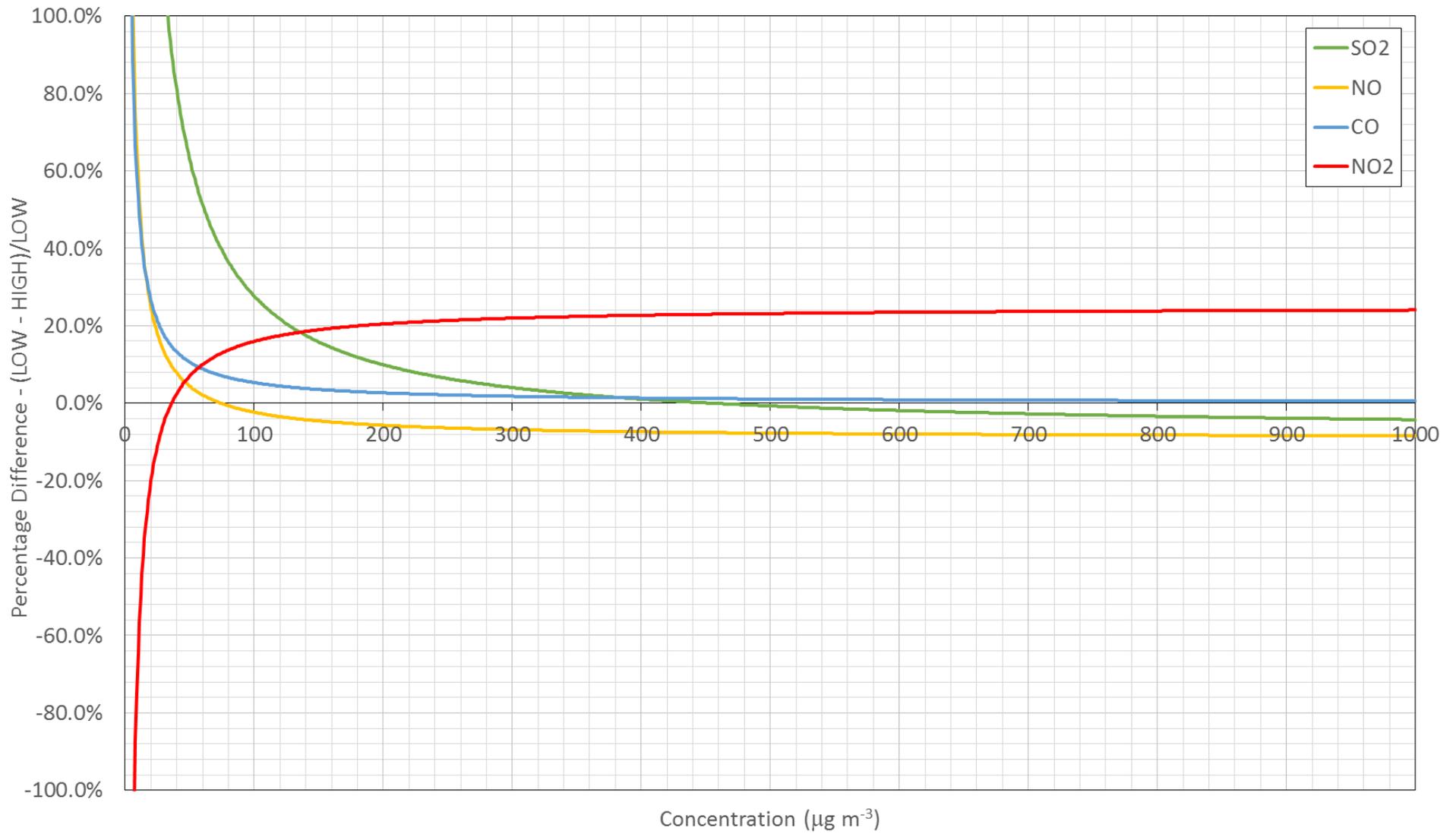


Figure J8 Percentage Difference in Concentrations by Particulate Pollutant vs Height – High Street, Glasgow

