Example for CH$_4$

(a) Measurement points
- Quadratic fitting curve

- STD5 (974.1 ppb)
- STD3 (610.6 ppb)
- STD1 (256.4 ppb)

Peak area

Pressure (hPa)

(b) At sample pressure
- Calibration points from (a)
- Quadratic fitting curve

- STD5
- STD3
- STD1

CH$_4$ concentration (ppb)

Peak area

At sample area

(sample concentration)

(sample area)