(a)
LCS (out−of−box)
Reference
$CO_2$ (ppm)
600
550
500
450
400
Reference $CO_2$ (ppm)
– – 1:1
Slope: 0.92
Intercept: 74.4
$R^2$: 0.81
RMSE: 42.99
MAE: 42.35

(b)
LCS (scaled)
Reference
$CO_2$ (ppm)
– – 1:1
Slope: 0.96
Intercept: 19.1
$R^2$: 0.81
RMSE: 7.32
MAE: 5.78
Reference $CO_2$ (ppm)

(c)
LC (pressure corrected)
Reference
$CO_2$ (ppm)
– – 1:1
Slope: 1.09
Intercept: −47.3
$R^2$: 0.9
RMSE: 9.04
MAE: 7.78
Reference $CO_2$ (ppm)

(d)
LC (pressure−temperature corrected)
Reference
$CO_2$ (ppm)
– – 1:1
Slope: 1.02
Intercept: −8.2
$R^2$: 0.93
RMSE: 4.6
MAE: 3.76
Reference $CO_2$ (ppm)

Jul
Jan
Jul
Jan
Date (2023−2025)
400
450
500
550
600
LC $CO_2$ (ppm)