

Table S1 humidity data during the gas sensing test

Gas	Dry air	5 ppm NO ₂	10 ppm NO ₂	20 ppm NO ₂	35 ppm NO ₂	50 ppm NO ₂
Dew point (°C)	-57.5	-57.3	-57.2	-56.9	-56.5	-56.1
Relative humidity(%)	0.0647	0.0664	0.0673	0.0700	0.0738	0.0777