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ABBREVIATIONS

A/D converter	Analog to digital converter
°C	Degree Celsius
DC	Direct current
DEGS	Diethylene glycol succinate
G	Glass chamber
GC-TCD	Gas chromatograph thermal conductivity detector
GLC	Gas liquid chromatography
GSC	Gas solid chromatography
kΩ	Kilo ohm
L	Lid
LC	Liquid chromatography
LLC	Liquid liquid chromatography
LOD	Limit of detection
LSC	Liquid solid chromatography
m	Meter
MFC	Mass flow controller
min	Minute
mL	Milliliter
MOS	Metal oxide semiconductor
n	Number of measurement
N	Number of theoretical plate
ppm	Part per million

r^2	Correlation coefficient
R_a	Resistance in air
R_g	Resistance in volatile organic compound
R_L	Load resistance
RO	Reverse osmosis
RON	Research octane number
R_s	Sensor resistance
R_s	Resolution
RSD	Relative standard deviation
RTD	Resistance temperature detector
t_R	Retention time
μL	Microliter
V	voltage
V_C	Circuit voltage
V_H	Heater voltage
V_{RL}	Output voltage in the load resistance
VOCs	Volatile organic compounds
W_b	Peak width at baseline