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ABBREVIATIONS AND SYMBOLS

Å	angstrom
C	concentration
°C	degree Celsius
CEC	cation exchange capacity
e.g.	for example
ELISA	enzymelinked immunosorbent assay
<i>et. al.</i>	and coworkers
°F	degree Fahrenheit
g	gram
GFM	generalized Freundlich model
ΔG	Gibbs free energy
HPLC	high performance liquid chromatography
ΔH	enthalpy of adsorption
hr	hour
<i>i.e.</i>	that is
kcal	kilocalorie
kg	kilogram
K_d	the distribution coefficient
K_f	Freundlich's constant related to adsorption capacity
LC	liquid chromatography
GLM	generalized Langmuir model

meq	miliequivalence
MFM	modified Freundlich model
mg	milligram
min	minute
mL	milliliter
mol	molar
MW	molecular weight
n	the heterogeneity factor
n^f	the affinity constant
nm	nanometer
ppm	part per million (mg/kg)
ppb	part per billion ($\mu\text{g/kg}$)
P	pressure
P^o	normal vapour pressure
Q_{max}	the estimated maximum capacity (mol/kg)
rpm	round per minute
ΔS	entropy of adsorption
S.D	standard deviation
T	temperature
TLC	thin layer chromatography
%	percentage
μm	micrometer