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LIST OF ABBREVIATIONS

List of terms

ACN	Acetonitrile
AOPs	Advanced oxidation processes
APCI	Atmospheric pressure chemical ionization
API	Atmospheric pressure ionization
BOD	Biological oxygen demand
DAD	Diode array detector
CE	Collision cell energy
CID	Collision induced dissociation
COD	Chemical oxygen demand
CUR	Curtain gas
CXP	Collision cell exit potential
DP	Declustering potential
ε	Molar absorption coefficient
e^-_{CB}	Conduction band electrons
ECD	Electron capture detector
EP	Entrance potential
ES	Electrospray
FP	Focusing potential
h^+_{VB}	Valence band holes
HO_2^\bullet	Peroxy radicals
HPLC	High performance liquid chromatography
k	Rate constant (in the Langmuir-Henshelwood adsorption isotherm)
K	Adsorption capacity of the organic compound on the catalyst surface (in the Langmuir-Henshelwood adsorption isotherm)
EGC-KOH	Eluent Generator Cartridge Potassium Hydroxide
LC	Liquid chromatography
m/z	Mass to charge ratio
MCA	Multi component analysis
MeOH	Methanol
MP	Mobile phase
MRM	Multiple reaction monitoring
MS/MS	Tandem mass spectrometry
NI	Negative ionization
$O_2^{\bullet-}$	Superoxide ion radicals
O_3	Ozone
PI	Positive ionization
r^2	Correlation coefficient
R.S.D.	Relative standard deviation
SD	Standard deviation

List of terms (Cont'd)

SIM	Selected ion monitoring
t_R	Retention time
TEM	Temperature
TiO ₂	Titanium dioxide
TOC	Total organic carbon
UV	Ultraviolet-Visible
λ_{\max}	Maximum absorption wavelength