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## Nomenclature

<sup>13</sup> C-NMR	<sup>13</sup> C nuclear magnetic resonance	碳 13 核磁共振光譜儀
A <sub>254</sub>	Absorbance at 254 nm	254 nm 波長之吸光度
AOP	Advanced oxidation process	高級氧化法
AOX	Adsorbable organic halides	吸附性鹵化有機物
AOXFP	Adsorbable organic halides formation potential, µg-Cl/mg	吸附性鹵化有機物生成潛能
COD	Chemical oxygen demand	化學需氧量
DBPFP	Disinfection by-products formation potential	消毒副產物生成潛能
DBPs	Disinfection by-products	消毒副產物
DO	Dissolved oxygen	溶氧
DO <sub>3</sub>	Dissolved ozone	溶臭氧
DOC	Dissolved organic carbon	溶解有機碳
FAs	Fulvic acids	黃酸
FTIR	Fourier transform infrared spectrophotometer	傅利葉轉換紅外線光譜
HAs	Humic acids	腐植酸
HAAFP	Haloacetic acids formation potential	鹵化乙酸生成潛能
HAAs	Haloacetic acid	鹵化乙酸
HPLC	High performance liquid chromatography	液相層析儀
NOMs	Natural organic matters	天然有機物
OH radical	Hydroxyl radical	氫氧自由基
ORP	Oxidation reduction potential	氧化還原電位
SUVA	Specific ultra-violet absorbance	比吸光度
TDS	Total dissolved solids	總溶解固體
THMFP	Trihalomethane formation potential	三鹵甲烷生成潛能
THMs	Trihalomethanes	三鹵甲烷

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$n e^-$	n mole electron	n 莫耳電子
E	the electrode potential of chemical reactions (mV)	化學反應電位
$E^0$	the standard electron potential (mV)	標準電位
R	gas constant (8.314 V-coulombs $K^{-1} mol^{-1}$ )	氣體常數
T	the absolute temperature (K)	絕對溫度
n	the number of electrochemical gram equivalent per gram mole exchanged during the redox reaction (equivalent $mol^{-1}$ )	轉移電子之莫耳數
F	Faraday's constant (96,500 coulombs equivalent $^{-1}$ )	法拉第常數
[Oxi]	oxidizing agent	氧化劑
[Red]	reducing agent	還原劑

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