

Application of Cyclodextrin-Based Nanosponges in Soil and Aquifer Bioremediation



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Abbreviations

2-MIB	2-Methylisoborneol
BET	Brunauer-Emmett-Teller
BTEX	Benzene, toluene, ethylbenzene and xylene
CD	Cyclodextrin
CGTases	Cycloglycosyl transferase amylases
CDNS	Cyclodextrin-based nanosponges
CuAAC	Cu-catalyzed azido-alkyne cycloaddition
DBPs	Disinfection by products
DLS	Dynamic light scattering
DMSO	Dimethyl sulfoxide
DPC	Diphenyl carbonate
EDC	Endocrine disrupting compounds
FTIR	Fourier transform infrared
GC/MS	Gas chromatography–mass spectrometry
GAC	Granular activated carbon
HNTs	Halloysite nanotubes
HNT-CD	Halloysite–cyclodextrin nanosponges
HPBCD	Hydroxypropyl- β -cyclodextrin
HPBCD-NP	Hydroxypropyl- β -cyclodextrin nonylphenol
MN-PCDP	Magnetic nanoparticles porous β -CD polymer
MTBE	Methyl tert-butyl ether
NOM	Natural organic matter

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