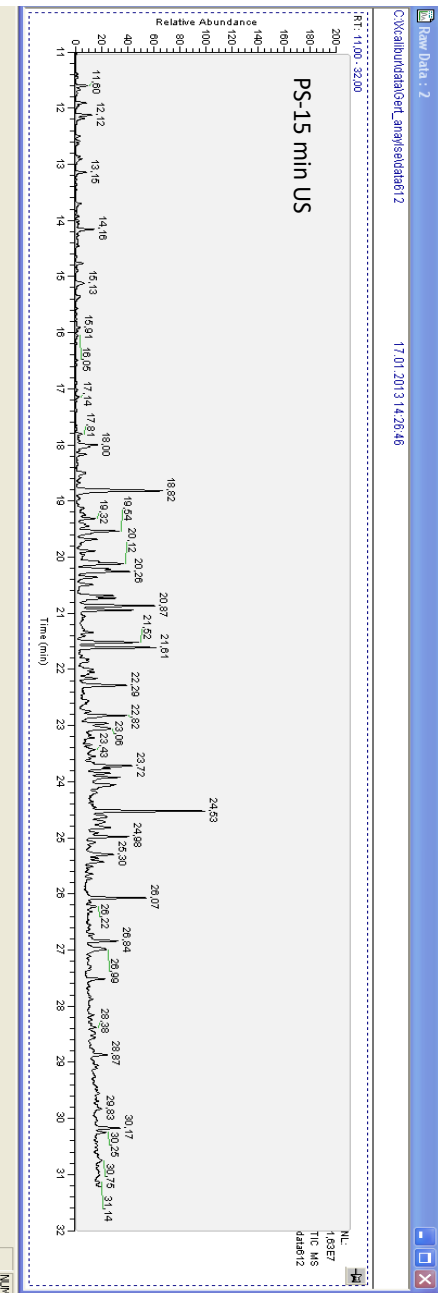
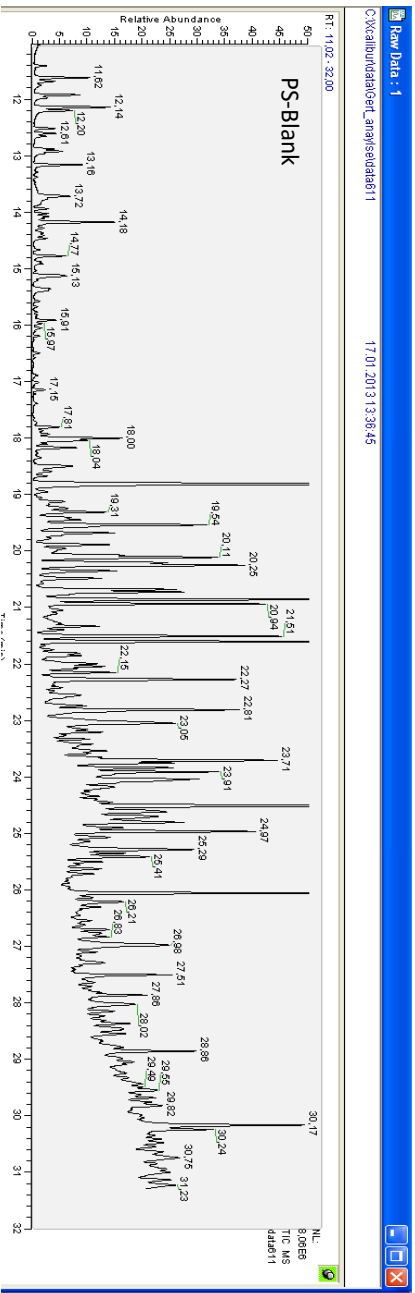
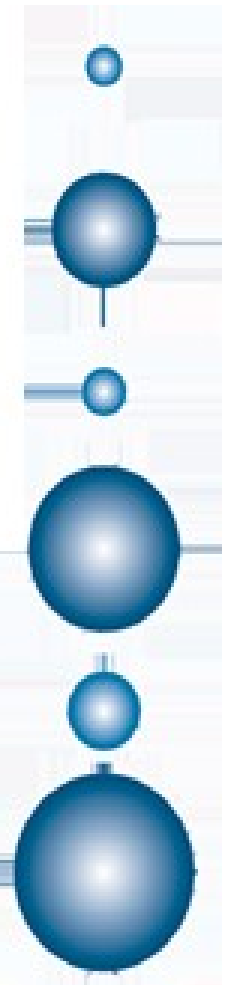


DOC reduction

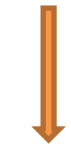


GC-MS Chromatogram, showing the amount of extractable dissolved organic substances in sewage water before and after ultrasound treatment

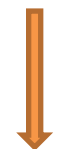
Mechanical effect



bubble formation



bubble growth



bubble implosion

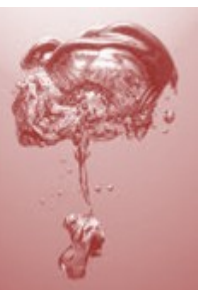
→ Thermolyse

→ 5,000 °C

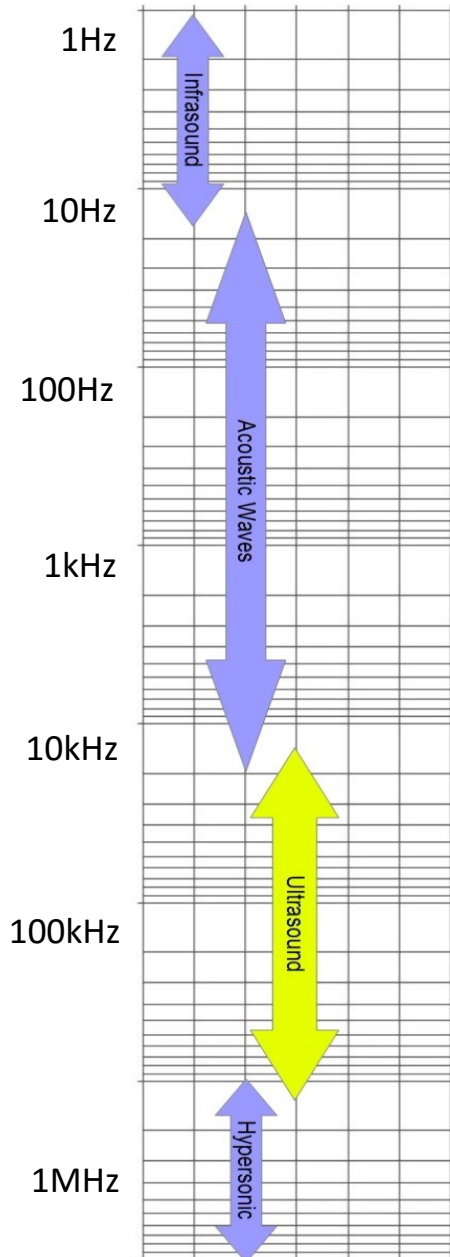
→ Pressure

Shock wave

→ up to 500 bar

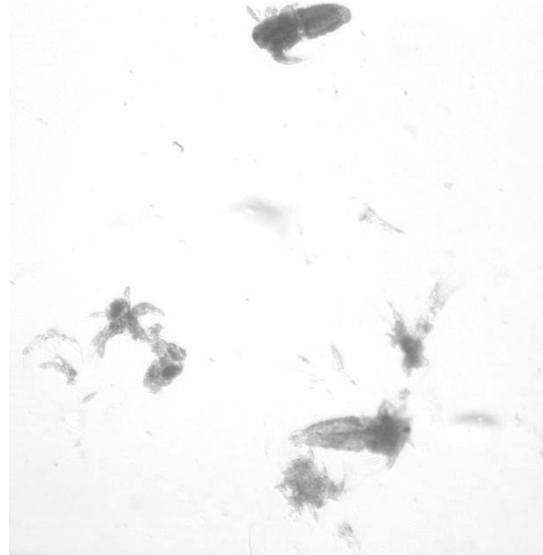


Ultrasound definition

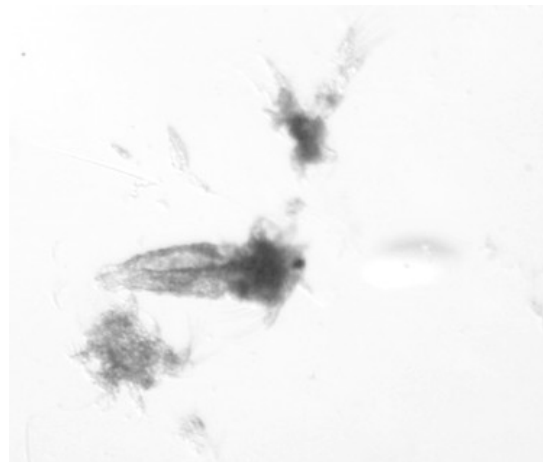


Zooplankton (*Artemia salina*) exposed to ultrasound

Ultrasound at 850kHz frequency



Destroyed zooplankton



AIMES , Koesterberg 10, 24238 Selent, Germany, aimesgmbh@aol.com, www.aimesgmbh.com

Ultrasound generation at AIMES



Visualisation of
ultrasound effect

