

Table 3. Applicability of Treatment Technologies to Contaminated Ground Water (U.S. EPA, 1991)

Contaminants	Neutralization	Precipitation	Coprecipitation/Coagulation	UV/Ozone	Chemical Oxidation	Reduction	Distillation	Air Stripping	Steam Stripping	Activated Carbon	Evaporation	Gravity Separation	Flotation	Membrane Separation*	Ion Exchange	Filtration	Biological	Electrochemical	
Metals																			
METALS { Heavy metals Hexavalent chromium Arsenic Mercury	X	●	●	X	X	○	X	X	X	○	●	●	X	●	●	●	X	●	
	X	●	X	X	X	●	X	X	X	○	●	X	X	○	●	X	X	●	
	X	○	●	○	○	X	X	X	X	○	X	○	X	●	●	●	X	X	
	X	●	●	X	X	●	X	X	X	●	X	○	X	○	●	●	X	X	
Cyanide	X	X	X	●	●	X	X	X	X	●	X	X	●	●	X	○	○		
Corrosives	●	●	X	X	X	X	○	X	X	X	X	X	X	X	X	X	X	X	
Volatile organics	X	X	X	○	●	X	●	●	●	●	X	X	X	○	○	X	○	X	
Ketones	X	X	X	○	●	X	●	●	●	X	X	X	X	X	X	X	●	X	
Semivolatile organics	X	○	○	●	●	X	●	X	●	●	○	○	○	●	●	X	●	X	
Pesticides	X	○	○	●	●	X	●	X	○	●	○	○	○	●	●	●	○	X	
PCBs	X	●	●	●	●	X	●	X	X	●	●	●	●	●	●	●	○	X	
Dioxins	X	●	●	●	○	X	●	X	X	●	●	●	●	●	●	●	○	X	
Oil and grease/floating products	X	●	●	X	X	X	●	X	X	X	●	●	●	●	●	○	○	X	

● Applicable ○ Potentially Applicable X Not Applicable

*Technology includes several processes; reverse osmosis and ultrafiltration among others.