

Chlorinated Compounds Destroyed in the Presence of Zero Valent Iron

Common Name	Common Abbreviation	Other Pseudonyms	CAS Number
Methanes			
Tetrachloromethane	CT, PCM	Carbon Tetrachloride	56-23-5
Trichloromethane	TCM	Chloroform	67-66-3
Tribromomethane	TBM	Bromoform	75-25-2
Ethanes			
Hexachloroethane	HCA	Carbon Hexachloride	67-72-1
1,1,1,2-Tetrachloroethane	1,1,1,2-TeCA		630-20-6
1,1,2,2-Tetrachloroethane	1,1,2,2-TeCA	Acetylene Tetrachloride	79-34-5
1,1,1-Trichloroethane	1,1,1-TCA	Methyl Chloroform	71-55-6
1,1,2-Trichloroethane	1,1,2-TCA	Vinyl Trichloride	79-00-5
1,1-Dichloroethane	1,1-DCA		75-34-3
Ethenes			
Tetrachloroethene	PCE	Perchloroethylene	127-18-4
Trichloroethene	TCE	Ethylene Trichloride	79-01-6
cis 1,2-Dichloroethene	cis 1,2-DCE	cis 1,2-Dichloroethylene	540-59-0
trans-1,2-Dichloroethene	trans 1,2-DCE		540-59-0
1,1-Dichloroethene	1,1-DCE	Vinylidene Chloride	75-35-4
Vinyl Chloride	VC	Chloroethene	75-01-4
Propanes			
1,2,3-Trichloropropane	1,2,3-TCP	Allyl Trichloride	96-18-4
1,2-Dichloropropane	1,2-DCP	Propylene Dichloride	78-87-5
Other Chlorinated			
N-Nitrosodimethylamine	NDMA	Dimethylnitrosamine	62-75-9
Dibromochloropropane	DBCP		96-12-8
Lindane		Benzene Hexachloride	58-89-9
1,1,2-Trichlorotrifluoroethane		Freon 113	76-13-1
Trichlorofluoromethane		Freon 11	75-69-4
1,2-Dibromoethane	1,2-EDB	Ethylene Dibromide	106-93-4

Metals Precipitated or Immobilized in the Presence of Zero Valent Iron

Common Name	Common Element	Description of Immobilization Process
Aluminum	Al	Al bound as iron oxyhydroxides
Antimony	Sb	Sb reduced & bound as iron oxyhydroxides
Arsenic	As	As(V) and As(III) reduced & precipitated
Cadmium	Cd	Cd(II) reduced & bound as iron oxyhydroxides
Copper	Cu	Cu(II) reduced & bound as iron oxyhydroxides
Hexavalent Chromium	Cr (VI)	Cr(VI) reduced & precipitated to Cr(III)
Lead	Pb	Pb(II) reduced & bound as iron oxyhydroxides
Magnesium	Mg	Mg(II) reduced & bound as iron oxyhydroxides
Manganese	Mn	Mn(VI) reduced & precipitated
Mercury	Hg	Hg(II) reduced & bound as iron oxyhydroxides
Nickel	Ni	Ni reduced & bound as iron oxyhydroxides
Selenium	Se	Se(VI) and Se(IV) reduced & precipitated
Technetium	Tc-99	pertechnetate Tc(VII) reduced & precipitated
Uranium	U	U(VI) reduced & precipitated
Vanadium	V	V reduced & precipitated
Zinc	Zn	Zn(II) reduced & bound as iron oxyhydroxides