



## Products and Treatable Contaminants

Contaminants	Acronym	Aqueous Solubility (mg/L)	In Situ Sorption & Bio	SEAR	Anerobic Bioremediation	Aerobic Bioremediation	ISCR
			NutriBind®	TASK™ ASB	EDS-Advanced™ EDS-ER™ EDS-ME™ EDS-QR™ Nutrimens®	TersOx™	ZVI- ironGEL™ mZVI ISR-CI
<b>Halogenated Volatile Organic Compounds (CVOCs)</b>							
<b>Chlorinated Ethenes</b>							
Tetrachloroethylene	PCE	150	✓	✓	✓		✓
Trichloroethene	TCE	1,100	✓	✓	✓		✓
cis-1,2-Dichloroethene	cis-DCE	3,500	✓	✓	✓		✓
trans-1,2-Dichloroethene	trans-DCE	6,260	✓	✓	✓	✓	✓
1,1-Dichloroethene	1,1-DCE	3,344	✓	✓	✓	✓	✓
Vinyl chloride	VC	2,763	✓	✓	✓	✓	✓
<b>Chlorinated Ethanes</b>							
Perchloroethane	HCA	50	✓	✓	✓		✓
Pentachloroethane	PCA	500	✓	✓	✓		✓
1,1,1,2-Tetrachloroethane	1,1,1,2-TeCA	1,100	✓	✓	✓		✓
1,1,1,2,2-Tetrachloroethane	1,1,2,2-TeCA	2,962	✓	✓	✓		✓
1,1,2-Trichloroethane	1,1,2-TCA	4,394	✓	✓	✓		✓
1,1,1-Trichloroethane	1,1,1-TCA	1,495	✓	✓	✓		✓
1,2-Dichloroethane	1,2-DCA	8,606	✓	✓	✓		✓
1,1-Dichloroethane	1,1-DCA	4,676	✓	✓	✓		✓
Chloroethane	CA	5,700	✓	✓	✓		✓
<b>Chlorinated Methanes</b>							
Carbon tetrachloride	CT	800	✓	✓	✓		✓
Chloroform	CF	8,200	✓	✓	✓		✓
Dichloromethane	DCM	13,200	✓	✓	✓		✓
Chloromethane	CM	5,235	✓	✓	✓		✓

Contaminants	Aqueous Solubility (mg/L at 20° to 25°C)	In Situ Sorption & Bio	SEAR	ISCO		Anerobic Bioremediation	Aerobic Bioremediation
		NutriBind®	TASK™ ASB	TersOx™ (Liquid & Modulator)	Persulfate	Nutrisulfate®	TersOx™
<b>BTEX</b>							
Benzene	76	✓	✓	✓	✓	✓	✓
Toluene	7	✓	✓	✓	✓	✓	✓
Ethylbenzene	22	✓	✓	✓	✓	✓	✓
m-Xylene	6	✓	✓	✓	✓	✓	✓
o-Xylene	5	✓	✓	✓	✓	✓	✓
p-Xylene	6.5	✓	✓	✓	✓	✓	✓
<b>Fuel Oxygenates</b>							
Methyl Tertiary Butyl Ether (MTBE)	51,000	✓	✓	✓	✓	✓	✓
Tertiary Butyl Alcohol (TBA)	Infinite		✓	✓	✓		✓
<b>Polynuclear Aromatic Hydrocarbons (PAHs)</b>							
Acenaphthene	4.24	✓	✓	✓	✓		✓
Acenaphthylene	3.93	✓	✓	✓	✓		✓
Anthracene	0.0434	✓	✓	✓	✓		✓
Benzo(a)anthracene	9.4x10 <sup>-3</sup>	✓	✓	✓	✓		✓
Benzo(a)pyrene	1.6x10 <sup>-3</sup>	✓	✓	✓	✓		✓
Benzo(b)fluoranthene	1.5x10 <sup>-3</sup>	✓	✓	✓	✓		✓
Benzo(g,h,i)perylene	2.6x10 <sup>-4</sup>	✓	✓	✓	✓		✓
Benzo(k)fluoranthene	8x10 <sup>-4</sup>	✓	✓	✓	✓		✓
Chrysene	1.6x10 <sup>-3</sup>	✓	✓	✓	✓		✓
Fluoranthene	0.206	✓	✓	✓	✓		✓

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		NutriBind®	TASK™ ASB	TersOx™ (Liquid & Modulator)	Persulfate	Nutrisulfate®	TersOx™
Fluorene	1.98	✓	✓	✓	✓		✓
Indeno(1,2,3-c,d)pyrene	2.2x10 <sup>-5</sup>	✓	✓	✓	✓		✓
Naphthalene	31	✓	✓	✓	✓		✓
Phenanthrene	1.2	✓	✓	✓	✓		✓
Pyrene	0.135	✓	✓	✓	✓		✓

Contaminants	In Situ Sorption & Bio	SEAR	ISCO		Anerobic Bioremediation	Aerobic Bioremediation
	NutriBind®	TASK™ ASB	TersOx™ (Liquid & Modulator)	Persulfate	Nutrisulfate®	TersOx™
<b>Petroleum Hydrocarbons</b>						
Gasoline Range Organics	✓	✓	✓	✓	✓	✓
Diesel Range Organics	✓	✓	✓	✓	✓	✓
Oil Range Organics	✓	✓	✓	✓	✓	✓
Creosote / Coal Tar	✓	✓	✓	✓	✓	✓
<b>Aromatics</b>						
Chlorobenzene	✓		✓	✓		✓
Dichlorobenzene	✓		✓	✓		✓
N-butylbenzene	✓		✓	✓		✓
Nitrobenzene	✓		✓	✓		✓
2-chlorophenol	✓		✓	✓		✓
2,4-dichlorophenol	✓		✓	✓		✓
2,4-dinitrophenol	✓		✓	✓		✓
4-chloro-3-methyl phenol	✓		✓	✓		✓
4-iso-propyltoluene	✓		✓	✓		✓
4-nitrophenol	✓		✓	✓		✓
Pentachlorophenol	✓		✓	✓		✓
Phenol	✓		✓	✓		✓
Propylbenzene	✓		✓	✓		✓
Styrene	✓		✓	✓		✓
Trichlorobenzene	✓		✓	✓		✓
Trimethylbenzene	✓		✓	✓		✓

Contaminants	Anerobic Bioremediation	ISCR	Precipitation
	EDS-Advanced™ EDS-ER™ EDS-ME™ EDS-QR™ Nutrimens®	ZVI- ironGEL™ mZVI ISR-Cl	Calcium Polysulfide (CaS <sub>2</sub> )
<b>Heavy Metals and Miscellaneous</b>			
Chromium (VI)	✓	✓	
Selenium	✓		
Arsenic, cadmium, chromium, copper, lead, mercury, molybdenum, nickel, silver, and zinc			✓
Cyanide			✓
Nitrates	✓	✓	
Perchlorate and energetic compounds (TNT, DNT, Nitroglycerine, HMX, RDX)	✓	✓	

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