



Range of Treatable Contaminants

REGENESIS products have been used to effectively treat a broad range of groundwater contaminants from petroleum hydrocarbons, to chlorinated solvents, pesticides, and metals. Contact us to discuss the treatability of your contaminant of concern and site details so that we can recommend the most effective REGENESIS solution.

⋄ Contaminant treatable with REGENESIS Products

	LA	.C	ISCO			Aerobic Bio Anaerobic Bio					ISCR		
Range of Treatable Contaminants	PlumeStop®	PetroFix®	RegenOx®	PetroCleanze	PersulfOx®	ORC® Advanced	3DME®	HRC®	HRC-X®	BDI®Plus	CRS®	S-MicroZVI™	
BTEX													
Benzene	⊘	9	S	⊘	S	⊘							
Toluene	9	9	<u> </u>	Ø	Š	6							
Ethylbenzene	9	9	<u> </u>	<u> </u>	6	Š							
Xylene	6	<u> </u>	Š	8	S S	6							
-	_												
Petroleum Hydrocarbons													
Gasoline Range Organics (GRO) (C ₆ -C ₁₀₋₁₂)	9	S	<u> </u>	9	S	9							
Diesel Range Organics (DRO) (C ₈₋₁₂ -C ₂₄₋₂₆)	⊘	⊘	Ø	9	Ø	Ø							
Oil Range Organics (ORO) (C ₂₂₋₃₂)	Ø	⊘	9	<u> </u>	Ø	⊗							
Creosote (coal tar)	⊘	⊘	Ø	⊘	Ø	S							
Oxygenates		1						,					
Methyl tert-butyl ether (MTBE)	⊘	⊘	⊘	⊘	⊘	⊘							
Tert-butyl alcohol (TBA)			⊘	⊘	⊘	Ø							
Chlorinated Solvents													
Tetrachloroethylene (PCE)	S		⊘	Ø	S		S	Ø	⊘	S	S	S	
Trichloroethene (TCE)	9		9	9	9		9	0	S	9	S	Ø	
Dichloroethene (DCE)	9		9	Ø	Š	⊘	9		9	8	<u> </u>	9	
Vinyl chloride (VC)	Š		Š	Š	Š	Š	9	S	Š	S	Š	S S	
Tetrachloroethane	Š		Š	Š	Š	_	Š	<u>.</u>	Š	Š	Š	Š	
Trichloroethane (TCA)	Š		Š	Š	S		8	8	8	Š	Š	o o	
Dichloroethane (DCA)	9		<u> </u>	9	8	⊘	9	<u>.</u>	S	8	9	S	
Carbon tetrachloride	Š		Š	8	Š	_	Š	999	Š	•	<u> </u>	S	
Chloroethane	Š		Š	8	Š	S	8	<u> </u>	Š		Š		
Chloroform	Š		8	9	Š	_	Š	9	8		Š	⊘	
Chloromethane	Š		Š	8	Š		Š	9	Š		8	9	
Chlorotoluene						⊘	8					Š	
Methylene chloride	9		<u> </u>	⊘	S	_	Š	9	8		8	Š	
Dichloropropane	8		<u> </u>	o o	Š		8	8	S		Š	9	
Dichloropropene	9		<u> </u>	9	Š		9	9	S		9	Ø	
Hexachlorobutadiene	Š		9	<u> </u>	Š		8	Š	Š		Š	S S	
Trichloropropane	Š		<u> </u>	S	Š		Š	8	Š		Š	Š	
Bis(2-chloroethyl)ether	Š		Ø	Š	S S		Š	Ø	S S		Š	9	
Bis(2-chloroethoxy)methane	8		9	9	6		0	Ø	9		<u> </u>	9	
					_		•	•			•		
PAHs	_												
Acenaphthene	9	⊘	⊘	<u> </u>	⊘	9							
Acenaphthylene	⊘	⊘	9	⊘	⊘	S							
Anthracene	Ø	⊘		Ø	Ø								
Benzo(a)anthracene	Ø	⊘	⊘	Ø	Ø	Ø							
Benzo(a)pyrene	Ø	⊘	⊘	<u> </u>	⊘	Ø							
Benzo(b)fluoranthene	Ø	⊘	⊘	9	Ø	S							
Benzo(ghi)perylene	9	9	9	9	Ø	Ø							
Chrysene	Ø	Ø	Ø	9	Ø	Ø							
Dibenzo(a,h)anthracene	9	S	9	9	Ø	9							
Fluorene	9	S	<u> </u>	9	S	S							
Naphthalene	9	9	<u> </u>	9	Ø	9							
Phenathrene	9	9	9	9	S	9							
Pyrene	⊘	Ø	⊘	⊘	S	⊘							
Aromatics													
2-chlorophenol	S		⊘	⊘	⊘	Ø							
2,4-dichlorophenol	Ø		Ø	Ø	Ø	Ø							
2,4-dinitrophenol	Ø		Ø	Ø	Ø	Ø							
4-chloro-3-methyl phenol	Ø		Ø	Ø	Ø	Ø							
4-iso-propyltoluene	Ø		Ø	Ø	Ø	Ø							
4-nitrophenol	Ø		S	Ø	Ø	Ø							
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⋄ Contaminant treatable with REGENESIS Products

	LA	ιC	ISCO			Aerobic Bio		Anaerobic Bio			ISCR	
Range of Treatable Contaminants	PlumeStop®	PetroFix®	RegenOx®	PetroCleanze	PersulfOx®	ORC® Advanced	3DME®	HRC®	HRC-X®	BDI® Plus	CRS®	S-MicroZVI
Aromatics (continued)												
Chlorobenzene	S		⊘	S	Ø	⊘						
Dichlorobenzene	Ø		Ø	Ø	⊘	Ø						
N-butylbenzene	S		Ø	Ø	S	Ø						
Nitrobenzene	Ø		S	Ø	Ø	S						
Pentachlorophenol	Ø				Ø	Ø	⊘	⊘	⊘		⊘	9
Phenol	S		Ø	⊘	Ø	Ø						
Propylbenzene	S		⊘	⊘	⊘	⊘						
Styrene	S		⊘	Ø	⊘	⊘						
Trichlorobenzene	⊘		⊘	⊘	Ø	⊘						
Trimethylbenzene	Ø		⊘	⊘	Ø	⊘						
Haloalkanes												
Dichlorodifluoromethane (Freon 12)	S						S	Ø	9		⊘	⊘
Trichlorofluoromethane (Freon 11)	Ø						Ø	Ø	S		Ø	Ø
Trichlorofluoroethane (Freon 113)	S						Ø	⊘	Ø		Ø	S
Per- and polyfluoroalkyl substances (PFAS	S											
Pesticides and Herbacides												
Chlordane	S						S	Ø	S		⊘	S
Heptachlor Epoxide	Ø						Ø	Ø	Ø		Ø	S
Lindane (hexachlorocyclohexane)	S						Ø	⊘	Ø		Ø	S
DDT, DDD, DDE	S						Ø	S	Ø		Ø	⊘
Toxaphene	⊘						⊘	⊘	Ø		⊘	⊘
Dieldrin	⊘						Ø	⊘	⊘		⊘	⊘
2,4-D	⊘						⊘	⊘	Ø		⊘	⊘
2,4,5-T	⊘						Ø	જ	જ		જ	S
Endrin	⊘						Ø	Ø	Ø		⊘	S
Energetics												
TNT	⊘		<				Ø	⊘	Ø		⊘	⊘
DNT	Ø		⊘				Ø	જ	⊘		⊘	⊘
Nitroglycerine	⊘		⊘				⊘	⊘	Ø		⊘	⊘
HMX	⊘		⊘				Ø	⊘	જ		Ø	⊘
RDX	⊘		⊘				S	⊘	Ø		Ø	⊘
Miscellaneous	·											1
Acetone	S		⊘	⊘	⊘	⊘						
Bis(2-ethylhexyl)phthalate	⊘		⊘	⊘	⊘	Ø						
4-methyl-2-pentanone	Ø		⊘	9	Ø	⊘						
Perchlorate				_			S	⊘	S		Ø	⊘
Polychlorinated biphenyls (PCBs)	⊘						Ø					Ø
Nitrates							Ø	Ø	⊘		⊘	⊘
Carbon Disulfide (CS2)			S	S	⊘		Ø	Ø	Ø		-	
1,4-Dioxane					Ø				-			
Heavy Metals												
Chromium (VI)					1		S	Ø	S		S	⊘

For additional questions or for a site review please call 949.366.8000

Results will depend on specific site conditions, please discuss your site with a REGENESIS Technical Manager to determine which technology is most optimal for your site. The information provided is for guidance only. It is recommended that a pilot test or treatability study be performed to verify applicability to your specific contaminant and site conditions. REGENESIS makes no warranty or representation, expressed or inferred, and nothing herein should be construed as to guaranteeing actual results in field use, or permission or recommendation to infringe any patent.

Treatment Applicability of *In Situ* Technologies-Based on Geology and Concentration

Contact us on europe@regenesis.com to discuss the treatability of your contaminant of concern and site details so that we can recommend the most effective REGENESIS solution.

	12		Geology		Concentration						
	12	Clay/ Silt	Sand/ Gravel	Bedrock	Low (dissolved)	Mid (dissolved)	High (dissolved)	NAPL Potential ¹	NAPL Measurable ²		
Sorption and Bio	PlumeStop®				•	•			•		
	PetroFix [™]			•	•	•					
ISCO and Enhanced Desorption	PetroCleanze®	•			•		•	•	•		
	RegenOx®			•	•	•			•		
	PersulfOx®	•		•	•	•					
Aerobic Bio	ORC Advanced®	•	•	•	•	•					
Anaerobic Bio	3DME®	•	•	•	•	•	•	•			
	HRC®		•	•	•	•					
	BDI® Plus	•	•	•	•	•					
ISCR	S-MicroZVI®	•	•	•	•	•			•		
	CRS®	•	•	•	•	•			•		
	escence, few mm layer, or tinuous layer of NAPL (≥					l de	al 🧶 Suit	able 🛑 N	ot suitable		





