

Tabella 6: parametri chimico-fisici

Constituent	CAS Number	Molecular Weight (g/mole) MW	ref	Diffusion Coefficients				log (Koc) or log(Kd) (@ 20 - 25 C)			Henry's Law Constant (@ 20 - 25 C)		Vapor Pressure (@ 20 - 25 C) (mm Hg)		Solubility (@ 20 - 25 C) (mg/L)	
				in air (cm2/s) Dair	ref	in water (cm2/s) Dwat	ref	log(L/kg) partition	ref	(unitless)	ref		ref		ref	
Idrocarburi (alifatici C9-C18)	0-00-0	170	AP	7,00E-02	AP	5,00E-06	AP	5,83	Koc	AP	6,90E+01	AP	1,06E-01	AP	1,00E-02	AP
Benzene	71-43-2	78,1	AP	8,80E-02	AP	9,80E-06	AP	1,79	Koc	AP	2,28E-01	AP	9,53E+01	AP	1,75E+03	AP
Etilbenzene	100-41-4	106,2	AP	7,50E-02	AP	7,80E-06	AP	2,31	Koc	AP	3,23E-01	AP	1,00E+01	AP	1,69E+02	AP
Xileni	1330-20-7	106,2	AP	8,70E-02	AP	7,80E-06	AP	2,29	Koc	AP	3,14E-01	AP	8,78E+00	AP	1,85E+02	AP
p-Xilene	106-42-3	106,2	AP	7,69E-02	AP	8,44E-06	AP	2,49	Koc	AP	3,14E-01	AP	8,78E+00	AP	1,85E+02	AP
Toluene	108-88-3	92,1	AP	8,70E-02	AP	8,60E-06	AP	2,15	Koc	AP	2,71E-01	AP	3,00E+01	AP	5,26E+02	AP
Styrene APAT*	100-42-5	104,2	AP	7,10E-02	AP	8,00E-06	AP	2,96	Koc	AP	2,74E-03	AP	7,30E+00	AP	3,10E+02	AP
Cloroformio	67-66-3	119,4	AP	1,04E-01	AP	1,00E-05	AP	1,60	Koc	AP	1,50E-01	AP	1,97E+02	AP	7,92E+03	AP
Cloruro di Vinile	75-01-4	62,5	AP	1,06E-01	AP	1,23E-06	AP	1,27	Koc	AP	1,11E+00	AP	2,66E+03	AP	2,76E+03	AP
1,2-Dicloroetano	107-06-2	99	AP	1,04E-01	AP	9,90E-06	AP	1,24	Koc	AP	4,01E-02	AP	7,91E+01	AP	8,52E+03	AP
1,1-Dicloroetilene	75-35-4	96,94	AP	9,00E-02	AP	1,04E-05	AP	1,77	Koc	AP	1,07E+00	AP	6,04E+02	AP	2,25E+03	AP
1,2-Dicloropropano	78-87-5	113	AP	7,82E-02	AP	8,73E-06	AP	1,64	Koc	AP	1,15E-01	AP	4,97E+01	AP	2,80E+03	AP
1,1,2-Tricloroetano	79-00-5	133,4	AP	7,80E-02	AP	8,80E-06	AP	1,70	Koc	AP	3,74E-02	AP	2,42E+01	AP	4,42E+03	AP
Tricloroetilene	79-01-6	131,4	AP	7,90E-02	AP	9,10E-06	AP	1,97	Koc	AP	4,22E-01	AP	7,43E+01	AP	1,10E+03	AP
Tetracloroetilene	127-18-4	165,8	AP	7,20E-02	AP	8,20E-06	AP	2,19	Koc	AP	7,54E-01	AP	1,90E+01	AP	2,00E+02	AP
Esaclorobenzene	118-74-1	284,8	AP	5,42E-02	AP	5,91E-06	AP	4,90	Koc	AP	5,41E-02	AP	1,84E-03	AP	6,20E+00	AP
Benza-a-antracene	56-55-3	228,3	AP	5,10E-02	AP	9,00E-06	AP	5,55	Koc	AP	1,37E-04	AP	4,55E-06	AP	9,40E-03	AP
Crisene	218-01-9	228,3	AP	2,48E-02	AP	6,21E-06	AP	5,60	Koc	AP	3,88E-03	AP	8,03E-07	AP	1,60E-03	AP
Benzo-b-fluorantene	205-99-2	252,32	AP	2,30E-02	AP	5,56E-06	AP	6,09	Koc	AP	4,55E-03	AP	6,67E-07	AP	1,50E-03	AP
Benzo-a-pirene	50-32-8	252,3	AP	4,30E-02	AP	9,00E-06	AP	5,99	Koc	AP	4,63E-05	AP	5,68E-04	AP	1,62E-03	AP
Benzo-k-fluorantene	207-08-9	252,32	AP	2,26E-02	AP	5,56E-06	AP	6,09	Koc	AP	3,45E-05	AP	3,09E-08	AP	8,00E-04	AP
Benzo-g,h,i-perilene	191-24-2	276,3	AP	1,00E-01	AP	1,00E-05	AP	6,20	Koc	AP	3,00E-05	AP	1,69E-07	AP	7,00E-04	AP
Dibenzo-a,h-antracene	53-70-3	278,4	AP	2,00E-02	AP	5,18E-06	AP	6,25	Koc	AP	6,03E-07	AP	6,87E-10	AP	2,49E-03	AP
Indeno(1,2,3,c,d)Pyrene APAT*	193-39-5	276,3	AP	1,90E-02	AP	5,66E-06	AP	6,54	Koc	AP	1,59E-06	AP	1,00E-09	AP	2,20E-05	AP
Pyrene APAT*	129-00-0	202,3	AP	2,72E-02	AP	7,20E-06	AP	4,83	Koc	AP	1,09E-05	AP	8,39E-05	AP	1,35E-01	AP
Mercurio	7439-97-6	200,6	AP	3,07E-02	AP	6,30E-06	AP	2,30	Kd	AP	4,67E-01	AP	2,00E-03	AP	6,00E+02	AP
Phenol-APAT*	108-95-2	94,11	AP	8,20E-02	AP	9,10E-06	AP	1,46	Koc	AP	3,97E-07	AP	5,07E-01	AP	8,28E+04	AP
Metil -Phenol-APAT*	0-00-0	108,15	AP	6,13E-02	AP	8,30E-06	AP	1,34	Koc	AP	1,53E-06	AP	3,08E-01	AP	2,60E+04	AP

AP: "Criteri metodologici per l'applicazione dell'analisi assoluta di rischio ai siti contaminati - rev.1", APAT-Luglio 2006