

Tabella 2a - Parametri Chimico Fisici dei COPCs individuati

Parametri	Numero CAS	Peso Molecolare [g/mole]	Solubilità [mg/litro]	Pressione di vapore [mm Hg]	Costante di Henry [adim.]	Koc/Kd [ml/g]	Log Koc/Kd	log Kow [adim.]	Coeff. Diff. Aria [cm ² /sec]	Coeff. Diff. Acqua [cm ² /sec]
Aromatici										
Benzene	71-43-2	78,10	1,75E+03	9,53E+01	2,28E-01	6,20E+01	1,79E+00	2,13E+00	8,80E-02	9,80E-06
Etilbenzene	100-41-4	106,20	1,69E+02	1,00E+01	3,23E-01	2,04E+02	2,31E+00	3,14E+00	7,50E-02	7,80E-06
Stirene	100-42-5	104,20	3,10E+02	7,30E+00	1,13E-01	9,12E+02	2,96E+00	2,94E+00	7,10E-02	8,00E-06
Toluene	108-88-3	92,10	5,26E+02	3,00E+01	2,72E-01	1,40E+02	2,15E+00	2,75E+00	8,70E-02	8,60E-06
o- Xilene	95-47-6	106,20	1,78E+02	8,78E+00	2,13E-01	2,41E+02	2,38E+00	3,17E+00	8,70E-02	1,00E-05
p- Xilene	106-42-3	106,20	1,85E+02	8,78E+00	3,14E-01	3,11E+02	2,49E+00	3,13E+00	7,69E-02	8,44E-06
Alifatici clorurati cancerogeni										
1,1,2,2-Tetracloroetano	79-34-5	167,90	2,97E+03	5,95E+00	1,41E-02	7,90E+01	1,90E+00	2,39E+00	7,10E-02	7,90E-06
1,1,2-Tricloroetano	79-00-5	133,40	4,42E+03	2,42E+01	3,74E-02	5,01E+01	1,70E+00	2,05E+00	7,80E-02	8,80E-06
1,1-Dicloroetilene	75-35-4	96,94	2,25E+03	6,04E+02	1,07E+00	5,89E+01	1,77E+00	2,13E+00	9,00E-02	1,04E-05
1,2,3-Tricloropropano	96-18-4	147,40	1,90E+03	3,69E+00	1,55E-02	9,72E+01	1,99E+00	2,63E+00	7,01E-02	7,90E-06
1,2-Dicloroetano	107-06-2	99,00	8,52E+03	7,91E+01	4,01E-02	1,74E+01	1,24E+00	1,47E+00	1,04E-01	9,90E-06
1,2-Dicloropropano	78-87-5	113,00	2,80E+03	4,97E+01	1,15E-01	4,37E+01	1,64E+00	1,97E+00	7,82E-02	8,73E-06
Cloruro di vinile	75-01-4	62,50	2,76E+03	2,66E+03	1,11E+00	1,86E+01	1,27E+00	1,50E+00	1,06E-01	1,23E-06
Diclorometano	75-09-2	84,94	1,30E+04	4,38E+02	8,98E-02	1,00E+01	1,00E+00	1,25E+00	1,01E-01	1,17E-05
Tetracloroetilene(PCE)	127-18-4	165,80	2,00E+02	1,90E+01	7,54E-01	1,55E+02	2,19E+00	2,67E+00	7,20E-02	8,20E-06
Tricloroetilene (TCE)	79-01-6	131,40	1,10E+03	7,43E+01	4,22E-01	9,43E+01	1,97E+00	2,71E+00	7,90E-02	9,10E-06
Triclorometano	67-66-3	119,40	7,92E+03	1,97E+02	1,50E-01	3,98E+01	1,60E+00	1,92E+00	1,04E-01	1,00E-05
Esaclorobutadiene	87-68-3	260,76	3,23E+00	2,20E-01	3,34E-01	2,95E+02	2,47E+00	4,81E+00	5,42E-02	6,10E-06
Alifatici clorurati non cancerogeni										
1,1-Dicloroetano	75-34-3	98,96	5,06E+03	2,27E+02	2,30E-01	5,34E+01	1,73E+00	1,79E+00	7,42E-02	1,05E-05
1,2-dicloroetilene	---	96,90	6,30E+03	3,30E+02	3,85E-01	3,80E+01	1,58E+00	1,86E+00	7,36E-02	1,19E-05
Clorobenzeni										
1,4-Diclorobenzene	106-46-7	147,00	7,38E+01	1,06E+00	9,96E-02	6,16E+02	2,79E+00	3,42E+00	6,90E-02	7,90E-06
Monoclorobenzene	108-90-7	112,56	4,72E+02	8,80E+00	1,52E-01	2,24E+02	2,35E+00	2,86E+00	7,30E-02	8,70E-06
Idrocarburi										
Alifatici C9 - C18		170,00	1,00E-02	1,06E-01	6,90E+01	6,80E+05	5,83E+00	-	7,00E-02	5,00E-06

Tabella 2b - Parametri tossicologici dei COPCs individuati

Parametri	Numero CAS	Cat. Carc. UE	Classe Cancer. EPA	SF Ing. [mg/kg-giorno] ⁻¹	SF Inal. [mg/kg-giorno] ⁻¹	Inhalation URF	RfD Ing. (mg/kg-d)	RfD Inal. (mg/kg-d)	Reference Concentration	Fattore di assorbimento dermico con suolo [adim.]	Coefficiente di permeabilità [cm/ora]
Aromatici											
Benzene	71-43-2	1,00	A	5,50E-02	2,73E-02	7,80E-06	4,00E-03	8,55E-03	2,99E-02	1,00E-01	2,10E-02
Etilbenzene	100-41-4	-	D	-	-	-	1,00E-01	2,85E-01	9,98E-01	1,00E-01	7,40E-02
Stirene	100-42-5	-	-	-	-	-	2,00E-01	2,85E-01	9,98E-01	1,00E-01	5,50E-02
Toluene	108-88-3	3,00	D	-	-	-	8,00E-02	1,43E+00	5,01E+00	1,00E-01	4,50E-02
<i>o</i> -Xilene	95-47-6	-	D	-	-	-	2,00E-01	2,00E-01	7,00E-01	1,00E-01	8,00E-02
<i>p</i> -Xilene	106-42-3	-	D	-	-	-	2,00E-01	2,00E-01	7,00E-01	1,00E-01	8,00E-02
Alifatici clorurati cancerogeni											
1,1,2,2-Tetracloroetano	79-34-5	-	C	2,00E-01	2,00E-01	5,71E-05	6,00E-02	2,00E-01	7,00E-01	1,00E-01	9,00E-03
1,1,2-Tricloroetano	79-00-5	3,00	C	5,70E-02	5,60E-02	1,60E-05	4,00E-03	5,70E-02	2,00E-01	1,00E-01	8,40E-03
1,1-Dicloroetilene	75-35-4	3,00	C	6,00E-01	1,75E-01	5,00E-05	5,00E-02	5,71E-02	2,00E-01	1,00E-01	1,60E-02
1,2,3-Tricloropropano	96-18-4	2,00	-	7,00E+00	7,00E+00	2,00E-03	6,00E-03	6,00E-03	2,10E-02	1,00E-01	-
1,2-Dicloroetano	107-06-2	2,00	B2	9,10E-02	9,10E-02	2,60E-05	2,00E-02	2,85E-03	9,98E-03	1,00E-01	5,30E-03
1,2-Dicloropropano	78-87-5	-	B2	6,80E-02	6,80E-02	1,94E-05	1,14E-03	1,14E-03	3,99E-03	1,00E-01	-
Cloruro di vinile	75-01-4	1,00	A	1,50E+00	3,08E-02	8,80E-06	3,00E-03	2,86E-02	1,00E-01	1,00E-01	7,30E-03
Diclorometano	75-09-2	3,00	B2	7,50E-03	1,70E-03	4,86E-07	6,00E-02	8,60E-01	3,01E+00	1,00E-01	4,50E-03
Tetracloroetilene (PCE)	127-18-4	3,00	B2	5,40E-01	2,00E-02	5,71E-06	1,00E-02	1,00E-02	3,50E-02	1,00E-01	4,80E-02
Tricloroetilene (TCE)	79-01-6	2,00	B2	1,10E-02	6,00E-03	1,71E-06	6,00E-03	6,00E-03	2,10E-02	1,00E-01	2,30E-01
Triclorometano (Cloroformio)	67-66-3	3,00	B2	6,10E-03	8,05E-02	2,30E-05	1,00E-02	1,40E-02	4,90E-02	1,00E-01	8,90E-03
Esaclorobutadiene	87-68-3	-	C	7,80E-02	7,80E-02	2,23E-05	2,00E-04	2,00E-04	7,00E-04	1,00E-01	-
Alifatici clorurati non cancerogeni											
1,1-Dicloroetano	75-34-3	-	C	-	-	-	1,00E-01	1,40E-01	4,90E-01	1,00E-01	8,90E-03
1,2-dicloroetilene	-	-	D	-	-	-	1,00E-02	1,00E-02	3,50E-02	1,00E-01	1,00E-02
Clorobenzeni											
1,4-Diclorobenzene	106-46-7	-	B2	2,40E-02	2,21E-02	6,31E-06	3,00E-02	2,29E-01	8,02E-01	1,00E-01	6,20E-02
Monoclorobenzene	108-90-7	-	D	-	-	-	2,00E-02	6,00E-03	2,10E-02	1,00E-01	4,10E-02
Idrocarburi											
Alifatici C9 - C18	-	-	-	-	-	-	1,00E-01	5,70E-02	2,00E-01	1,00E-01	8,20E+00