

Toxicity Values and Chemical - Physical Properties

Chemicals of Concern (COCs)	SFo	RfDo	URF	RfC	MW	H'	Koc	Dair	Dwat	Solubility	Log(Kow)
Acenaphthene	N/A	6.00E-02	N/A	N/A	1.54E+02	6.44E-03	3.98E+03	4.21E-02	7.69E-06	4.24E+00	4.15E+00
Acenaphthylene	N/A	6.00E-02	N/A	N/A	1.52E+02	4.74E-03	6.92E+03	4.39E-02	7.06E-06	3.93E+00	3.94E+00
Anthracene	N/A	3.00E-01	N/A	N/A	1.78E+02	4.61E-03	2.34E+04	3.24E-02	7.74E-06	4.34E-02	4.35E+00
Benz-a-anthracene ^B	1.00E-01	N/A	6.00E-05	N/A	2.28E+02	1.39E-04	3.55E+05	5.10E-02	9.00E-06	1.00E-02	5.52E+00
Benzene ^A	1.50E-02	4.00E-03	2.20E-06	2.80E-01	7.81E+01	2.27E-01	6.61E+01	8.80E-02	9.80E-06	1.77E+03	1.99E+00
Benzo-a-pyrene ^B	1.00E+00	3.00E-04	6.00E-04	N/A	2.52E+02	4.70E-05	9.55E+05	4.30E-02	9.00E-06	1.62E-03	6.11E+00
Benzo-b-fluoranthene ^B	1.00E-01	N/A	6.00E-05	N/A	2.52E+02	4.99E-04	1.20E+06	2.26E-02	5.56E-06	1.50E-03	6.11E+00
Benzo-g,h,i-perylene	N/A	3.00E-02	N/A	N/A	2.76E+02	5.82E-06	1.58E+06	4.90E-02	5.65E-05	2.60E-04	6.70E+00
Benzo-k-fluoranthene ^B	1.00E-02	N/A	6.00E-06	N/A	2.52E+02	4.45E-07	1.23E+06	2.26E-02	5.56E-06	5.50E-04	6.11E+00
Chrysene ^B	1.00E-03	N/A	6.00E-07	N/A	2.28E+02	5.03E-05	3.09E+05	2.48E-02	6.21E-06	2.00E-03	5.52E+00
Dibenz-a,h-anthracene ^B	1.00E+00	N/A	6.00E-04	N/A	2.78E+02	4.66E-07	1.91E+06	2.00E-02	5.18E-06	5.00E-04	6.70E+00
Ethylbenzene	N/A	1.00E-01	N/A	1.90E+00	1.06E+02	3.28E-01	2.04E+02	7.50E-02	7.80E-06	1.69E+02	3.03E+00
Fluoranthene	N/A	4.00E-02	N/A	N/A	2.02E+02	3.88E-04	4.90E+04	3.02E-02	6.35E-06	2.60E-01	4.93E+00
Fluorene	N/A	4.00E-02	N/A	N/A	1.66E+02	2.64E-03	7.59E+03	3.63E-02	7.88E-06	1.98E+00	4.02E+00
Indeno-1,2,3-cd-pyrene ^B	1.00E-01	N/A	6.00E-05	N/A	2.76E+02	2.85E-06	3.47E+06	1.90E-02	5.66E-06	3.75E-03	6.70E+00
Methyl tert-butyl ether	1.80E-03	1.00E-02	2.60E-07	3.00E+00	8.81E+01	2.44E-02	1.41E+01	7.92E-02	9.41E-05	4.80E+04	1.43E+00
Naphthalene	N/A	2.00E-02	N/A	3.00E-03	1.28E+02	2.00E-02	1.55E+03	5.90E-02	7.50E-06	3.14E+01	3.17E+00
Phenanthrene	N/A	3.00E-02	N/A	N/A	1.78E+02	5.40E-03	1.41E+04	3.33E-02	7.47E-06	9.94E-01	4.34E+00
Pyrene	N/A	3.00E-02	N/A	N/A	2.02E+02	4.57E-04	3.80E+04	2.72E-02	7.24E-06	1.35E-01	4.93E+00
Toluene	N/A	8.00E-02	N/A	4.10E+00	9.21E+01	2.76E-01	1.40E+02	8.70E-02	8.60E-06	5.30E+02	2.54E+00
Xylenes	N/A	2.00E-01	N/A	6.10E-01	1.06E+02	2.93E-01	2.40E+02	7.40E-02	8.50E-06	1.98E+02	3.09E+00

Source: <https://www.tceq.texas.gov/remediation/trrp/trrpcls.html>

A: Carcinogenic Volatile Organic Compounds (VOCs).

B: Carcinogenic Polycyclic Aromatic Hydrocarbons (PAHs).

End of worksheet