

## GC Relative Response Factors

Code	Name	CAS No	Mol. Wt (g/mol)	Boiling Point (°C)	pKa	LogP	RRF (at 5 µg/mL)
A4	2,6-Di- <i>t</i> -butyl-4- methylphenol	128-37-0	220.35	265	11.6	5.3	0.93
A5	2,4-Di- <i>t</i> -butyl phenol	96-76-4	206.3	264	11.6	4.9	1
A6	2,4-Dimethylphenol	105-67-9	122.16	212	10.6	2.6	0.549
A20	Octamethyl-1,3,5,7,2,4,6,8-tetroxatetrasilocane	556-67-2	296.61	176		6.7	1.674
A22	Diisobutyl adipate	141-04-8	258.35	293	-6.7	3.2	0.255
A25	Di( <i>n</i> -heptyl, <i>n</i> -nonyl) adipate	68515-75-3	370.57	224		7.55	0.019
A29	Bis(4-chlorophenyl) sulfone	80-07-9	287.2	397		3.9	0.481
A30	3,5-Di- <i>tert</i> -butyl-4-hydroxybenzyl alcohol	88-26-6	236.35	214	12.01	4	0.197
A32	Tris(2,4-di- <i>tert</i> -butylphenyl)phosphate	95906-11-9	662.9	609.8± 55	N/A	13.12	0.126
B9	2,2'-Methylene-bis(4-ethyl-6- <i>tert</i> -butylphenol)	88-24-4	368.6	452	11.37	8.09	0.103
B26	1,4-Diphenylbenzene	92-94-4	230.3	389	4.75	5.63	1.535
B37	diphenyl benzene-1,4-dicarboxylate	1539-04-4	318.3	496		4.12	0.16
B41	Bis 2-ethylhexyl terephthalate ; di-(2-ethylhexyl) terephthalate (DEHT or DOTP)	6422-86-2	390.6	400		9.55	0.1
B43	nonanedioic acid, dioctyl ester, dioctyl azelate	2064-80-4	412.7	428		9.74	0.053
B44	Bis(2-ethylhexyl) sebacate	122-62-3	426.7	212		9.72	0.082
B48	Dicyclohexyl phthalate	84-61-7	330.4	425.8		5.76	0.368
B51	Bis(2-ethylhexyl) cyclohexane-1,2-dicarboxylate	84-71-9	396.6	463.9		9.96	0.194
B58	2-(2H-Benzotriazol-2-yl)-4,6-ditertpentylphenol	25973-55-1	351.5	469.1	8.85	7.3	0.465
B62	2-(2-Hydroxy-5- <i>tert</i> -octylphenyl)benzotriazole	3147-75-9	323.4	471.8	8.07	7.29	0.293
B68	Tetradecane	629-59-4	198.4	253		5.7	0.621
B71	1-Dodecene	112-41-4	168.3	213		6.62	0.267