

# Chemical Shifts of Common Laboratory Solvents

compound	mult, <i>J</i> (Hz)	$\delta$ CDCl <sub>3</sub> , ppm	compound	mult, <i>J</i> (Hz)	$\delta$ CDCl <sub>3</sub> , ppm
silicone grease	s	0.07	1,2-dichloroethane	s	3.73
grease	m	0.86	1,2-dimethoxyethane	s	3.4
n-hexane	s	0.88	1,2-dimethoxyethane	s	3.55
n-pentane	sep, 6	0.88	2-propanol	m	1.22
triethylamine	t, 7	1.03	2-propanol	m	4.04
ethyl methyl ketone	br s	1.06	acetic acid	s	2.1
methanol	m	1.09	acetone	s	2.17
t-butyl methyl ether	s	1.19	acetonitrile	s	2.1
diethyl ether	t, 7	1.21	benzene	s	7.36
2-propanol	m	1.22	BHT	s	1.43
ethanol	t, 7	1.25	BHT	s	2.27
ethyl acetate	t, 7	1.26	BHT	s	5.01
grease	d, 9.5	1.26	BHT	s	6.98
n-hexane	s	1.26	chloroform	s	7.26
n-pentane	m	1.27	cyclohexane	s	1.43
t-butanol	s	1.28	dichloromethane	s	5.3
ethanol	s	1.32	diethyl ether	t, 7	1.21
BHT	s	1.43	diethyl ether	q, 7	3.48
cyclohexane	s	1.43	diglyme	s	3.39
water	s	1.56	diglyme	mult	3.57
tetrahydrofuran	m	1.85	diglyme	mult	3.65
ethyl acetate	s	2.05	dimethylacetamide	s	2.09
dimethylacetamide	s	2.09	dimethylacetamide	s	2.94
acetic acid	s	2.10	dimethylacetamide	s	3.02
acetonitrile	s	2.10	dimethylformamide	s	2.88
ethyl methyl ketone	s	2.14	dimethylformamide	s	2.96
acetone	s	2.17	dimethylformamide	s	8.02
BHT	s	2.27	dimethyl sulfoxide	s	2.62
toluene	s	2.37	dioxane	s	3.71
ethyl methyl ketone	mult	2.46	ethanol	t, 7	1.25
triethylamine	q, 7	2.53	ethanol	s	1.32
dimethyl sulfoxide	s	2.62	ethanol	q, 7	3.72
HMPA	s	2.65	ethyl acetate	t, 7	1.26
dimethylformamide	s	2.88	ethyl acetate	s	2.05
dimethylacetamide	s	2.94	ethyl acetate	q, 7	4.14
dimethylformamide	s	2.96	ethyl methyl ketone	br s	1.06
dimethylacetamide	s	3.02	ethyl methyl ketone	s	2.14
t-butyl methyl ether	s	3.22	ethyl methyl ketone	mult	2.46
diglyme	s	3.39	ethylene glycol	t, 7	3.76
1,2-dimethoxyethane	s	3.40	grease	m	0.86
diethyl ether	q, 7	3.48	grease	d, 9.5	1.26
methanol	t, 7	3.49	HMPA	s	2.65
1,2-dimethoxyethane	s	3.55	methanol	m	1.09
diglyme	mult	3.57	methanol	t, 7	3.49
diglyme	mult	3.65	n-hexane	s	0.88
dioxane	s	3.71	n-hexane	s	1.26
ethanol	q, 7	3.72	nitromethane	d, 6	4.33
1,2-dichloroethane	s	3.73	n-pentane	sep, 6	0.88
ethylene glycol	t, 7	3.76	n-pentane	m	1.27
tetrahydrofuran	m	3.76	protonated solvent	s	7.26
2-propanol	m	4.04	pyridine	m	7.29
ethyl acetate	q, 7	4.14	pyridine	m	7.68
nitromethane	d, 6	4.33	pyridine	s	8.62
BHT	s	5.01	silicone grease	s	0.07
dichloromethane	s	5.30	t-butanol	s	1.28
BHT	s	6.98	t-butanol	s	var
toluene	m	7.17	t-butyl methyl ether	s	1.19
toluene	m	7.25	t-butyl methyl ether	s	3.22
protonated solvent	s	7.26	tetrahydrofuran	m	1.85
chloroform	s	7.26	tetrahydrofuran	m	3.76
pyridine	m	7.29	toluene	s	2.37
benzene	s	7.36	toluene	m	7.17
pyridine	m	7.68	toluene	m	7.25
dimethylformamide	s	8.02	triethylamine	t, 7	1.03
pyridine	s	8.62	triethylamine	q, 7	2.53
t-butanol	s	var	water	s	1.56