

Reduce method development time—use a retention time index for column selection.

Rxi®-624Sil MS

20 m x 0.18 mm x 1.0 µm df

Dead Time 0.81 minutes Constant Flow

Initial 45°C (hold 5 min.) 7C/min. to 220°C (hold 5 min.)

for **more** info

See **pages 694-695** for Rxi®-624Sil MS chromatograms.

Compound	MS ion	char.ion	45(5)7/220(5)
formaldehyde	29	30,31	1.16
methanol	31	29,30,33	1.36
pentane	43	41,42,72,57,29	1.74
ethanol	31	45,46,27	1.76
diethylether	59	74,45	1.87
2-chloropropane	43	73,63,80,27	1.95
acetone	43	58,27,39	2.06
methylal	45	75,29,31	2.07
1,1-dichloroethene	61	96,61,63	2.08
2-propanol	45	43,27,59	2.15
ethyl formate	45	31,29,27,74	2.2
methyl acetate	43	74,59,29	2.33
acetonitrile	41	40,39,38	2.33
2-methylpentane	43	42,41,71,86	2.48
methylene chloride	84	49,86,51,88	2.5
methyl <i>tert</i> -butyl ether	73	57,41,43,45	2.7
<i>trans</i> -1,2-dichloroethene	61	96,98,63	2.76
hexane	57	41,86,43	3.05
isopropyl ether	45	43,87,69	3.22
1-propanol	31	42,59,27	3.22
methyl cyclopentane	56	41,69,84	3.76
nitromethane	61	46,30	3.83
2-butanone (MEK)	72	43,57 (use 43)	3.9
<i>cis</i> -1,2-dichloroethene	96	96,61,98	3.96
ethyl acetate	43	61,70	4
2-butanol	45	59,31	4.21
tetrahydrofuran	42	72,71,41 (use 72)	4.34
chloroform	83	83,85,47,87,118	4.51
1,1,1-trichloroethane	97	97,99,61	4.76
2,2-dimethoxypropane	73	89,43,42,31	4.81
cyclohexane	56	84,41,27	4.88
carbon tetrachloride	117	117,119	5.04
isobutyl alcohol	42	43,31,41,33	5.31
2-methoxyethanol	45	47,76	5.31
1,2-dimethoxyethane	45	60,58,90	5.41
benzene	78	78	5.41

Compound	MS ion	char.ion	45(5)7/220(5)
1,2-dichloroethane	62	62,98	5.55
isopropyl acetate	43	61,87	5.59
isooctane	57	56,41	5.63
methyl isopropyl ketone	43	41,86	6
<i>n</i> -heptane (C7)	43	57,71,100	6.06
1-butanol	56	41,43,55	6.67
trichloroethene	95	95,97,134,132	6.73
methyl cyclohexane	83	55,98	7.17
1,4-dioxane	88	58,43,57	7.43
propyl acetate	43	61,73	7.61
2-ethoxyethanol	59	31,45,72	8.12
pyridine	79	52,50,51	9.04
hexanone (MIBK)	43	58,56,85,100	9.17
isoamyl alcohol	55	42,41,43,70	9.33
toluene	91	92,65,51	9.37
ethylene glycol	31	33	9.69
isobutyl acetate	43	56,73	9.91
1-pentanol	42	55,70,41	10.43
formamide	45	29,44	10.49
1,1-diethoxypropane	59	47,87,103	10.79
2-hexanone (MBK)	43	58,57,100	10.88
butyl acetate	43	56	11.31
dimethyl formamide (DMF)	73	44,58	11.68
chlorobenzene	112	112,77,114	12.35
ethylbenzene	91	91,106	12.64
<i>p</i> -xylene	106	106,91	12.93
<i>m</i> -xylene	106	106,91	12.93
isoamyl acetate	43	55,70	13.28
<i>o</i> -xylene	106	106,91	13.74
dimethyl sulfoxide	78	63,45	14.06
N,N-dimethylacetamide	87	44,43,72	14.45
isopropylbenzene (cumene)	105	120,77	14.55
anisole	108	78,65,51	14.72
1-methyl-2-pyrrolidinone	99	98,44,42	19.54
1,2,3,4-tetrahydronaphthalene	104	132,117,91,65	21.39
sulfolane	41	56,55,120	24.77

Rx

Chromatogram Search Tool

Search by compound name, synonym,
CAS # or keyword

www.restek.com/chromatograms

