

Volatile Organic Compounds Retention Time Index: Rxi®-624Sil MS*

Data collected using a 30 m x 0.25 mm x 1.400 µm Rxi®-624Sil MS column; Oven: 35°C (hold 5 min.) @ 11°C/min. to 60°C @ 20°C/min. to 220°C; Carrier gas: helium; Regulation: constant flow; Flow: 1.17 mL/min.; GC Temperature: 35°C; Inlet Pressure: 7.94 PSI; Outlet Pressure: 0.00 PSI; Dead Time: 1.780 min.; Linear Velocity: 32.68 cm/sec.; Detector 1: Mass Spectrometer

*Modeled by Pro ezGC software.

for **more** info

See pages 547 for an Rxi®-624Sil MS volatile organics chromatogram.

Rxi®-624Sil MS		Rxi®-624Sil MS		Rxi®-624Sil MS	
Compound	Ret. Time	Compound	Ret. Time	Compound	Ret. Time
dichlorodifluoromethane	2.178	cyclohexane	8.959	1-chlorohexane	12.442
chloromethane	2.438	1-chlorobutane	9.032	1,1,1,2-tetrachloroethane	12.503
water	2.588	carbon tetrachloride	9.055	ethylbenzene	12.512
vinyl chloride	2.63	1,1-dichloropropene	9.067	<i>m</i> -xylene	12.636
methanol	2.985	benzene-d6	9.255	<i>p</i> -xylene	12.636
ethylene oxide	3.127	1,2-dichloroethane-d4	9.28	<i>n</i> -nonane	12.668
bromomethane	3.192	benzene	9.296	1-chloro-2-fluorobenzene	12.703
chloroethane	3.395	1,2-dichloroethane	9.365	<i>o</i> -xylene	12.99
trichlorofluoromethane	3.834	isopropyl acetate	9.376	stryrene	13.01
<i>n</i> -pentane	4.032	2,2,4-trimethylpentane	9.455	<i>n</i> -amyl acetate	13.148
ethanol	4.199	isobutyl alcohol	9.456	bromoform	13.177
diethylether	4.387	<i>tert</i> -amyl-methyl ether	9.457	isopropylbenzene	13.327
2-methylbutane	4.501	<i>n</i> -heptane	9.537	<i>cis</i> -1,4-dichloro-2-butene	13.382
acrolein	4.677	fluorobenzene	9.636	1,4-dichlorobutane	13.439
1,1-dichloroethene	4.848	1,4-difluorobenzene	9.784	4-bromo-1-fluorobenzene	13.485
Freon 113	4.929	1-butanol	9.911	1,1,2,2-tetrachloroethane	13.6
acetone	4.971	trichloroethene	10.013	bromobenzene	13.612
iodomethane	5.135	methyl cyclohexane	10.268	<i>trans</i> -1,4-dichloro-2-butene	13.635
2-propanol	5.323	<i>tert</i> -amyl ethyl ether	10.27	1,2,3-trichloropropane	13.655
carbon disulfide	5.323	1,2-dichloropropane	10.28	<i>n</i> -propylbenzene	13.698
acetonitrile	5.581	α,α,α -trifluorotoluene	10.325	2-chlorotoluene	13.78
methyl acetate	5.676	methyl methacrylate	10.327	1,3,5-trimethylbenzene	13.858
allyl chloride	5.693	1,4-dioxane	10.379	<i>n</i> -decane	13.867
methylene chloride	5.939	<i>n</i> -propyl acetate	10.383	4-chlorotoluene	13.886
2-methylpentane	6.01	dibromomethane	10.443	<i>tert</i> -butylbenzene	14.131
<i>tert</i> -butyl alcohol	6.19	bromodichloromethane	10.532	pentachloroethane	14.16
acrylonitrile	6.414	2-nitropropane	10.736	1,2,4-trimethylbenzene	14.182
methyl-d3- <i>tert</i> -butyl-ether	6.435	chloroacetonitrile	10.764	<i>sec</i> -butylbenzene	14.325
methyl <i>tert</i> -butyl-ether	6.477	2-chloroethyl-vinyl-ether	10.792	<i>n</i> -butylcyclohexane	14.4
<i>trans</i> -1,2-dichloroethene	6.48	1-bromo-2-chloroethane	10.843	1,3-dichlorobenzene	14.431
3-methylpentane	6.503	epichlorhydrin	10.875	<i>p</i> -isopropyltoluene	14.453
hexane	7.023	<i>cis</i> -1,3-dichloropropene	10.938	1,4-dichlorobenzene-d4	14.497
1,1-dichloroethane	7.291	2,4-dimethylpentane	10.961	1,4-dichlorobenzene	14.519
allyl alcohol	7.309	4-methyl-2-pentanone	11.062	<i>n</i> -butylbenzene	14.796
vinyl acetate	7.33	1,1-dichloropropanone	11.105	1,2-dichlorobenzene-d4	14.814
diisopropyl ether	7.386	pyridine	11.135	1,2-dichlorobenzene	14.823
chloroprene	7.407	toluene-d8	11.185	hexachloroethane	15.06
1-propanol	7.431	toluene	11.246	1-octanol	15.07
ethyl <i>tert</i> -butyl ether	7.978	<i>n</i> -octane	11.345	4-bromo-1-chlorobenzene	15.467
TB(d9)A	8.133	<i>trans</i> -1,3-dichloropropene	11.441	1,2-dibromo-3-chloropropane	15.476
<i>cis</i> -1,2-dichloroethene	8.204	ethyl methacrylate	11.471	nitrobenzene	15.638
2-butanone	8.208	2-bromo-1-chloropropane	11.497	tetraethyl lead	15.652
2,2-dichloropropane	8.208	1,1,2-trichloroethane	11.619	2-bromochlorobenzene	15.761
ethyl acetate	8.283	tetrachloroethene	11.699	<i>n</i> -tetradecane	15.783
propionitrile	8.297	1,3-dichloropropane	11.761	<i>n</i> -dodecane	15.784
methyl acrylate	8.336	<i>n</i> -butyl acetate	11.792	1,2,4-trichlorobenzene	16.176
methacrylonitrile	8.499	dibromochloromethane	11.82	hexachlorobutadiene	16.293
bromochloromethane	8.528	1,2-dibromoethane	11.934	naphthalene	16.418
tetrahydrofuran	8.542	1-chloro-3-fluorobenzene	12.119	1,2,3-trichlorobenzene	16.608
chloroform	8.678	1-chloro-4-fluorobenzene	12.338	2,5-dibromotoluene	17.488
dibromofluoromethane	8.871	chlorobenzene-D5	12.386	2-methylnaphthalene	17.558
1,1,1-trichloroethane	8.872	chlorobenzene	12.415	1-methyl-naphthalene	17.754
pentafluorobenzene	8.937	ethylbenzene-d10	12.44		