



TO-14A GC/MS Tuning Mix

4-bromofluorobenzene
1ppm in nitrogen, 104 liters @ 1,800psi cat. # 34406 (ea.)
1ppm in nitrogen, 110 liters @ 1,800psi (Pi-marked Cylinder) cat. # 34406-PI (ea.)
100ppb in nitrogen, 104 liters @ 1,800psi cat. # 34424 (ea.)
100ppb in nitrogen, 110 liters @ 1,800psi (Pi-marked Cylinder) cat. # 34424-PI (ea.)

TO-14A Aromatics Mix (14 components)

benzene	toluene
chlorobenzene	1,2,4-trichlorobenzene
<i>m</i> -dichlorobenzene	1,2,4-trimethylbenzene
<i>o</i> -dichlorobenzene	1,3,5-trimethylbenzene
<i>p</i> -dichlorobenzene	<i>m</i> -xylene
ethyl benzene	<i>o</i> -xylene
styrene	<i>p</i> -xylene
1ppm in nitrogen, 104 liters @ 1,800psi cat. # 34404 (ea.)	
1ppm in nitrogen, 110 liters @ 1,800psi (Pi-marked Cylinder) cat. # 34404-PI (ea.)	
100ppb in nitrogen, 104 liters @ 1,800psi cat. # 34423 (ea.)	
100ppb in nitrogen, 110 liters @ 1,800psi (Pi-marked Cylinder) cat. # 34423-PI (ea.)	

TO-14A Chlorinated Hydrocarbon Mix (19 components)

carbon tetrachloride	hexachloro-1,3-butadiene
chloroform	methyl chloride
1,1-dichloroethane	methylene chloride
1,2-dichloroethane	1,1,2,2-tetrachloroethane
1,1-dichloroethene	tetrachloroethylene
<i>cis</i> -1,2-dichloroethylene	1,1,1-trichloroethane
1,2-dichloropropane	1,1,2-trichloroethane
<i>cis</i> -1,3-dichloropropene	trichloroethene
<i>trans</i> -1,3-dichloropropene	vinyl chloride
ethyl chloride	
1ppm in nitrogen, 104 liters @ 1,800psi cat. # 34402 (ea.)	
1ppm in nitrogen, 110 liters @ 1,800psi (Pi-marked Cylinder) cat. # 34402-PI (ea.)	
100ppb in nitrogen, 104 liters @ 1,800psi cat. # 34422 (ea.)	
100ppb in nitrogen, 110 liters @ 1,800psi (Pi-marked Cylinder) cat. # 34422-PI (ea.)	

TO-14A Internal Standard Mix (3 components)

bromochloromethane	1,4-difluorobenzene
chlorobenzene-d5	
1ppm in nitrogen, 104 liters @ 1,800psi cat. # 34412 (ea.)	
1ppm in nitrogen, 110 liters @ 1,800psi (Pi-marked Cylinder) cat. # 34412-PI (ea.)	
100ppb in nitrogen, 104 liters @ 1,800psi cat. # 34427 (ea.)	
100ppb in nitrogen, 110 liters @ 1,800psi (Pi-marked Cylinder) cat. # 34427-PI (ea.)	

TO-14A Internal Standard/Tuning Mix (4 components)

bromochloromethane	chlorobenzene-d5
1-bromo-4-fluorobenzene (4-bromofluorobenzene)	1,4-difluorobenzene
1ppm in nitrogen, 104 liters @ 1,800psi cat. # 34408 (ea.) \$690	
1ppm in nitrogen, 110 liters @ 1,800psi (Pi-marked Cylinder) cat. # 34408-PI (ea.)	
100ppb in nitrogen, 104 liters @ 1,800psi cat. # 34425 (ea.)	
100ppb in nitrogen, 110 liters @ 1,800psi (Pi-marked Cylinder) cat. # 34425-PI (ea.)	

TO-15 Subset 25 Component Mix (25 components)

acetone	4-ethyltoluene
allyl chloride	heptane
benzyl chloride*	hexane
bromodichloromethane	2-hexanone (MBK)
bromoform	4-methyl-2-pentanone
1,3-butadiene	methyl <i>tert</i> -butyl ether (MTBE)
2-butanone (MEK)	2-propanol
carbon disulfide*	propylene
cyclohexane	tetrahydrofuran
dibromochloromethane	2,2,4-trimethylpentane
<i>trans</i> -1,2-dichloroethene	vinyl acetate
1,4-dioxane	vinyl bromide
ethyl acetate	
1ppm in nitrogen, 104 liters @ 1,800psi cat. # 34434 (ea.)	
1ppm in nitrogen, 110 liters @ 1,800psi (Pi-marked Cylinder) cat. # 34434-PI (ea.)	
100ppb in nitrogen, 104 liters @ 1,800psi cat. # 34435 (ea.)	
100ppb in nitrogen, 110 liters @ 1,800psi (Pi-marked Cylinder) cat. # 34435-PI (ea.)	

*Stability of this compound cannot be guaranteed.

TO-15 65 Component Mix (65 components)

acetone	1,2-dichlorotetrafluoroethane (Freon 114)
acrolein	heptane
benzene	hexachloro-1,3-butadiene
benzyl chloride*	hexane
bromodichloromethane	2-hexanone (MBK)
bromoform	4-methyl-2-pentanone (MIBK)
bromomethane	methylene chloride
1,3-butadiene	methyl <i>tert</i> -butyl ether (MTBE)
2-butanone (MEK)	methyl methacrylate
carbon disulfide*	naphthalene
carbon tetrachloride	2-propanol
chlorobenzene	propylene
chloroethane	styrene
chloroform	1,1,2,2-tetrachloroethane
chloromethane	tetrachloroethene
cyclohexane	tetrahydrofuran
dibromochloromethane	toluene
1,2-dichlorobenzene	1,2,4-trichlorobenzene
1,3-dichlorobenzene	1,1,1-trichloroethane
1,4-dichlorobenzene	1,1,2-trichloroethane
1,1-dichloroethane	1,2-dichloroethane
1,2-dichloroethane	1,1-dichloroethene
1,1-dichloroethene	<i>cis</i> -1,2-dichloroethene
<i>cis</i> -1,2-dichloroethene	<i>trans</i> -1,2-dichloroethene
<i>trans</i> -1,2-dichloroethene	1,2-dichloropropane
1,2-dichloropropane	<i>cis</i> -1,3-dichloropropene
<i>cis</i> -1,3-dichloropropene	<i>trans</i> -1,3-dichloropropene
<i>trans</i> -1,3-dichloropropene	1,4-dioxane
1,4-dioxane	ethanol*
ethanol*	ethyl acetate
ethyl acetate	ethyl benzene
ethyl benzene	ethylene dibromide (1,2-dibromoethane)
ethylene dibromide (1,2-dibromoethane)	4-ethyltoluene
4-ethyltoluene	trichlorofluoromethane (Freon 11)
trichlorofluoromethane (Freon 11)	dichlorodifluoromethane (Freon 12)
dichlorodifluoromethane (Freon 12)	1,1,2-trichloro-1,2,2-trifluoroethane (Freon 113)
1,1,2-trichloro-1,2,2-trifluoroethane (Freon 113)	
1ppm in nitrogen, 104 liters @ 1,800psi cat. # 34436 (ea.)	
1ppm in nitrogen, 110 liters @ 1,800psi (Pi-marked Cylinder) cat. # 34436-PI (ea.)	
100ppb in nitrogen, 104 liters @ 1,800psi cat. # 34437 (ea.)	
100ppb in nitrogen, 110 liters @ 1,800psi (Pi-marked Cylinder) cat. # 34437-PI (ea.)	

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Now with Naphthalene!

