Chemical Name	CAS No.	Fm 305
Acetaldehyde	75-07-0	1.000
Acetonitrile	75-05-8	0.989
Acetophenone	98-86-2	0.314
Acrolein	107-02-8	1.000
Acrylonitrile	107-13-1	0.999
Allyl chloride	107-05-1	1.000
Benzene (includes benzene in gasoline)	71-43-2	1.000
Benzotrichloride (isomers and mixture)	98-07-7	0.958
Benzyl Chloride	100-44-7	1.000
Biphenyl	92-52-4	0.864
Bis(chloromethyl)ether (b)	542-88-1	0.999
Bromoform	75-25-2	0.998
1,3 – Butadiene	106-99-0	1.000
Carbon disulfide	75-15-0	1.000
Carbon tetrachloride	56-23-5	1.000
Carbonyl sulfide	43-58-1	1.000
Chloramben	133-90-4	0.633
Chlorobenzene	108-90-7	1.000
Chloroform	67-66-3	1.000
Chloromethyl methyl ether (b)	107-30-2	1.000
Chloroprene	126-99-8	1.000
Cumene	98-82-8	1.000
2,4-D, salts and esters	94-75-7	0.167
Diazomethane (c)	334-88-3	0.999
Dibenzofurans	132-64-9	0.967
1,2-Dibromo-3-chloropropane	96-12-8	1.000
1,4-Dichlorobenzene (p)	106-46-7	1.000
Dichloroethane (Ethylene dichloride)	107-06-2	1.000
Dichloroethyl ether (Bis(2-chloroethyl ether)	111-44-4	0.757
1,3-Dichloropropene	542-75-6	1.000
Dimethyl carbamoyl chloride (c)	79-44-7	0.150
Diethyl sulfate	64-67-5	0.0025
Dimethyl sulfate	77-78-1	0.086
N,N-Dimethyl aniline	121-69-7	0.0008
2,4-Dinitrophenol	51-28-5	0.0077
2,4-Dinitrotoluene	121-14-2	0.0848
1,4-Dioxane (1,40Diethyleneoxide)	123-91-1	0.869
Epichlorohydrin (1-Chloro-2,3-eposypropane)	106-89-8	0.939
1,2-Epoxybutane	106-88-7	1.000
Ethyl Acrylate	140-88-5	1.000
Ethyl Benzene	100-41-4	1.000
Ethyl chloride (Chloroethane)	75-00-3	1.000
Ethylene dibromide (Dibromoethane)	106-93-4	0.999
Ethylene dichloride (1,2-Dichlroethane)	107-06-2	1.000
Ethylene imine (Aziridine)	151-56-4	0.867
Ethylene Oxide	75-21-8	1.000
Ehtylene dichloride (1,1-Dichloroethane)	75-34-3	1.000
Glycol ethers (d) that have a Henry's Law constant value equal to or greater than 0.1 y/x ($1.8x10^{-6}$ atm/gm-mole/m^3) at 25^0C		
Hexachlorobenzene	118-74-1	0.97
Hexachlorobutadiene	87-68-3	0.88
Hexachloroethane	67-72-1	0.499
Hexane	110-54-3	1.000
Isophorone	78-59-1	0.506

Chemical Name	CAS No.	Fm 305
Lindane (all isomers)	58-89-9	1.000
Methanol	67-56-1	0.855
Methyl bromide (Bromomethane)	74-83-9	1.000
Methyl chloride	74-87-3	1.000
Methyl chloroform (1,1,1-Trichloroethane)	71-55-6	1.000
Methyl ethyl ketone (2-Butanone)	78-93-3	0.99
Methyl iodide (Iodomethane)	74-88-4	1.0001
Methyl isobutyl ketone (Hexone)	108-10-1	0.9796
Methyl isocyanate	624-83-9	1.000
Methyl methacrylate	80-62-6	0.916
Methyl tert butyl ether	1634-04-4	1.000
Methylene chloride (Dichloromethane)	75-09-2	1.000
Naphthalene	91-20-3	0.994
Nitrobenzene	98-95-3	0.394
2-Nitropropane	79-46-9	0.989
Pentachloronitrobenzene (Quintobenzene)	82-68-8	0.839
Pentachlorophenol	87-86-5	0.0898
Phosgene (c)	75-44-5	1.000
Propionaldehyde	123-38-6	0.999
Propylene dichloride (1,2-Dichloropropane)	78-87-5	1.000
Propylene oxide	75-56-9	1.000
1,2-Propylenimine (2-Methyl aziridine)	75-55-8	0.945
Styrene	100-42-5	1.000
Styrene Oxide	96-09-3	0.830
1,1,2,2-Tetrachloroethane	79-34-5	0.999
Tetrachloroethylene (Perchloroethylene)	127-18-4	1.000
Toluene	108-88-3	1.000
o-Toluidine	95-53-4	0.152
1,2,4-Trichlorobenzene	120-82-1	1.000
1,1,1-Trichloroethane (Methyl Chlorform)	71-55-6	1.000
1,1,2-Trichloroethane (Vinyl trichloride)	79-00-5	1.000
Trichloroethylene	79-01-6	1.000
2,4,5-Trichlorophenol	95-95-4	0.108
2,4,6-Trichlorophenol	88-06-2	0.132
Triethylamine	121-44-8	1.000
2,2,4-Trimethylpentane	540-84-1	1.000
Vinyl Acetate	108-05-4	1.000
Vinyl Bromide	593-60-2	1.000
Vinyl Chloride	75-01-4	1.000
Vinylidene chloride (1,1-Dichloroethylene)	75-35-4	1.000
Xylenes (isomers and mixture)	1330-20-7	1.000
o-Xylenes	95-47-6	1.000
m-Xylenes	108-38-3	1.000
p-Xylenes	106-42-3	1.000

Notes:

Fm305 = Method 305 fraction measure factor

a. CAS numbers refer to the Chemical Abstracts Services registry number assigned to specific compounds, isomers, or mixtures of compounds.
b. Denotes a HAP that hydrolyzes quickly in water, but the hydrolysis products are also HAP chemicals.
c. Denotes a HAP that may react violently with water, excess caustic is an expected analyte.
d. Denotes a HAP that hydrolyzes slowly in water.
e. The Fm 305 factors for some of the more comon glycol ethers can be obtained by contacting the Waste and Chemical Processes Group, Office of Air Quality Planning and Standards, Research Triangle Park, NC 27711.