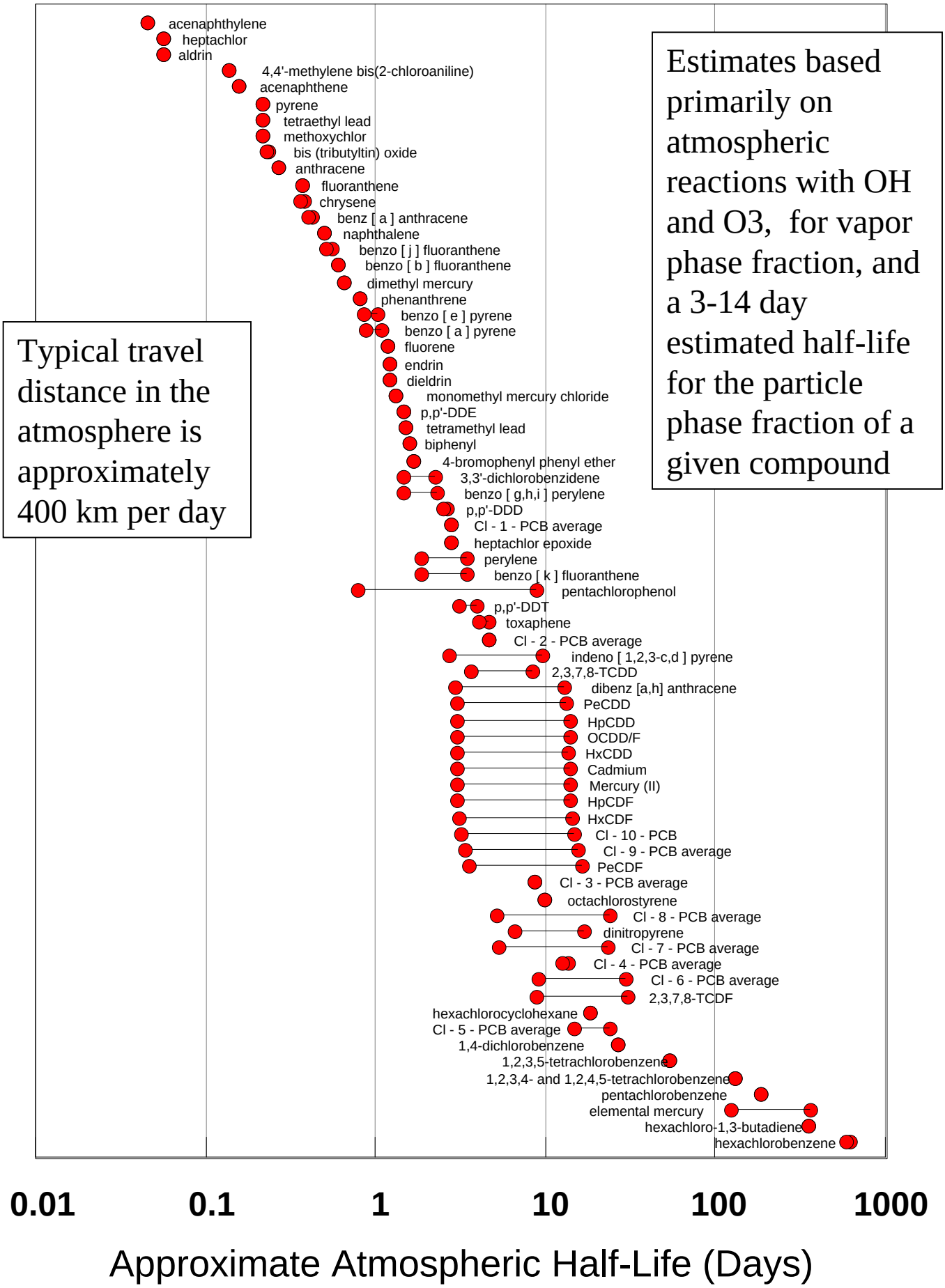
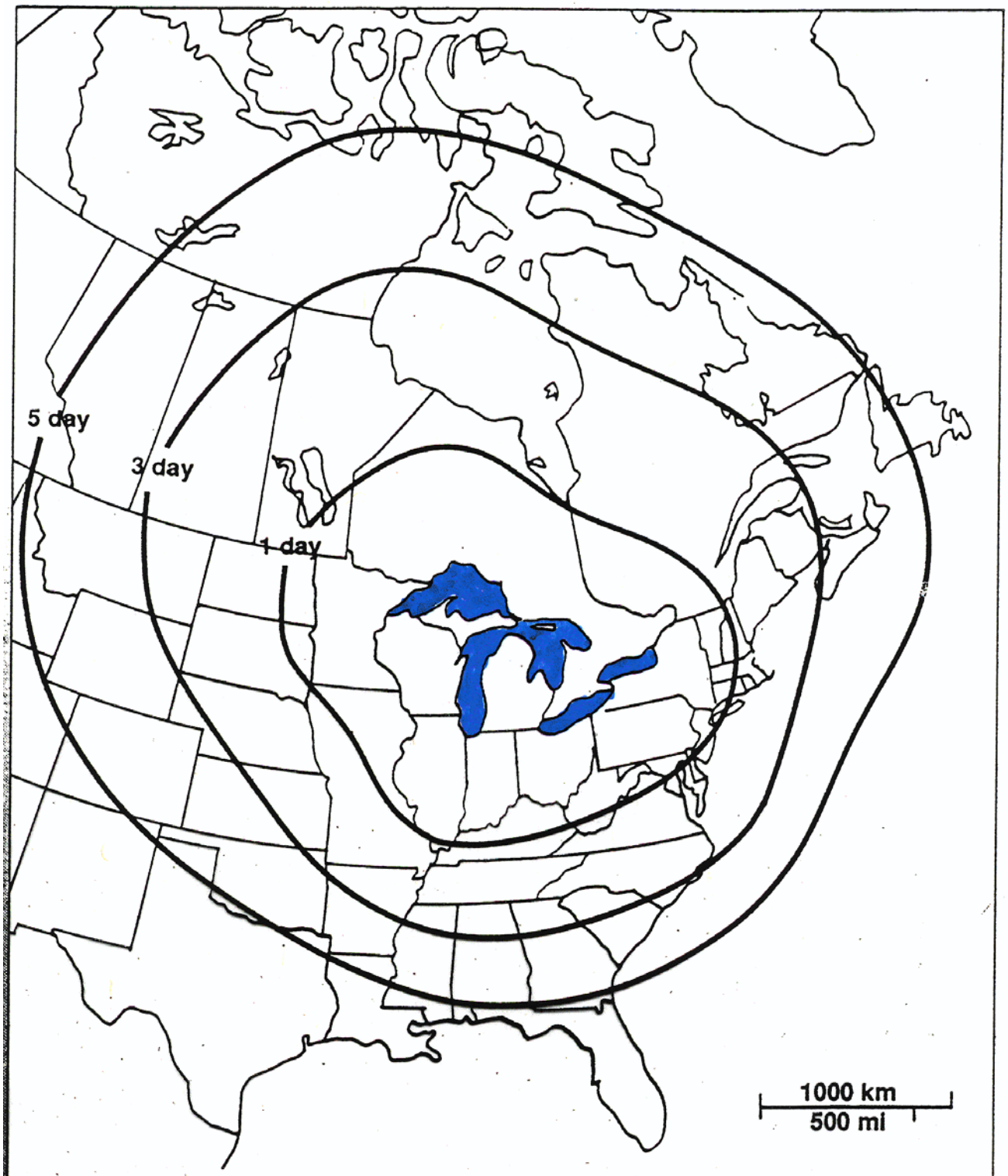

Estimates based primarily on atmospheric reactions with OH and O3, for vapor phase fraction, and a 3-14 day estimated half-life for the particle phase fraction of a given compound
Typical travel distance in the atmosphere is approximately 400 km per day
acenaphthylene
heptachlor
aldrin
4,4'-methylene bis(2-chloroaniline)
acenaphthene
pyrene
tetraethyl lead
methoxychlor
bis (tributyltin) oxide
anthracene
fluoranthene
chrysene
benz [a] anthracene
naphthalene
benzo [j] fluoranthene
benzo [b] fluoranthene
dimethyl mercury
phenanthrene
benzo [e] pyrene
benzo [a] pyrene
fluorene
endrin
dieldrin
monomethyl mercury chloride
p,p'-DDE
tetramethyl lead
biphenyl
4-bromophenyl phenyl ether
3,3'-dichlorobenzidene
benzo [g,h,i] perylene
p,p'-DDD
Cl - 1 - PCB average
heptachlor epoxide
perylene
benzo [k] fluoranthene
pentachlorophenol
p,p'-DDT
toxaphene
Cl - 2 - PCB average
indeno [1,2,3-c,d] pyrene
2,3,7,8-TCDD
dibenz [a,h] anthracene
PeCDD
HpCDD
OCDD/F
HxCDD
Cadmium
Mercury (II)
HpCDF
HxCDF
Cl - 10 - PCB
Cl - 9 - PCB average
PeCDF
Cl - 3 - PCB average
octachlorostyrene
Cl - 8 - PCB average
dinitropyrene
Cl - 7 - PCB average
Cl - 4 - PCB average
Cl - 6 - PCB average
2,3,7,8-TCDF
hexachlorocyclohexane
Cl - 5 - PCB average
1,4-dichlorobenzene
1,2,3,5-tetrachlorobenzene
1,2,3,4- and 1,2,4,5-tetrachlorobenzene
pentachlorobenzene
elemental mercury
hexachloro-1,3-butadiene
hexachlorobenzene
0.01
0.1
1
10
100
1000
Approximate Atmospheric Half-Life (Days)



Lines indicate the median location of airborne contaminants originating 1,3 and 5 days before their arrival in the Great Lakes hydrological basin.
Source: International Air Quality Advisory Board, 1988.