BIOMOC, A Multispecies Solute-Transport Model with Biodegradation

ERRATA

P 13 Change:

5. BIOHEAD.OUT: This is the file to which heads are written if the user requests this option.

To:

5. BIOHEAD.OUT: This is the file to which heads are written.

P 30:

This example is for the illustration of mass ratio calculations only. There is no scientific basis for coupling the oxidation of methane to the reduction of chlorinated ethenes. Mass ratios for coupling oxidation of petroleum hydrocarbons and other organics to chlorinated ethene reduction can be found in Weidemeier and others (1998).

P 54:

The data set on line npset+4 is needed only if the user specifies NX<0 or NY<0 on Line 2. If no transport subgrid is specified then line npset+4 does not appear and the data labeled as npset+5 on P 55 will actually appear on line npset+4 of the input file.

P 55 Change:

CELDIS – Maximum cell distance per particle move (value between 0 and 1.0)

To:

CELDIS – Maximum distance allowed per particle move expressed as a fraction of cell dimension (value must be between 0 and 1.0).

P 57 Change:

Repeat data set 19 for each solute

To:

Repeat data set 9 for each solute

P 58 Change:

FACCOMP – competitive inhibition factor
FACNC – noncompetitive inhibition factor
FACHAL – Haldane inhibition factor

To:

FACCOMP – competitive inhibition constant
FACNC – noncompetitive inhibition constant
FACHAL – Haldane inhibition constant

P 59 Change:

ZINHIBFAC – Biomass inhibition factors

To:

ZINHIBFAC – Biomass inhibition constants

REFERENCES

Wiedemeier, T.H., Swanson, M.A., Moutoux, D.E., Gordon, E.K., Wilson, J.T., Wilson, B.H., Kampbell, D.H., Haas, P.E., Miller, R.N., Hansen, J.E., and Chapelle, F.H., 1998, Technical protocol for evaluating natural attenuation of chlorinated solvents in ground water: U.S. Environmental Protection Agency, Office of Research and Development, Washington, D.C., EPA/600/R-98/128 [variously paged].