FORM TO SPECIFY INPUT DATA FOR MOLECULAR-WEIGHT MODEL MWCONST

A constant molecular weight (independent of height, longitude, latitude, and time)
Specify–
the model check for MWCONST = _____1.0_____ (w250)
the input data-format code = _____ (w251)
an input data-set identification number = _____ (w252)
an 80-character description of the model with parameters:

_____

and the model values:
the value of the constant molecular weight, $M =$ _____ (w253)
unless the above is zero. In that case, use
$M = (X_{O_2}M_{O_2} + X_{N_2}M_{N_2} + X_O M_O + X_N M_N + X_{H_2O}M_{H_2O} + X_{O_3}M_{O_3})/(X_{O_2} + X_{N_2} + X_O + X_N + X_{H_2O} + X_{O_3})$, where

$X_{O_2} =$ _____ (w254) (0.20948 suggested)
$X_{N_2} =$ _____ (w255) (0.78084 suggested)
$X_O =$ _____ (w256) (10^{-11} suggested)
$X_N =$ _____ (w257) (10^{-53} suggested)
$X_{H_2O} =$ _____ (w258) (10^{-02} suggested)
$X_{O_3} =$ _____ (w259) (10^{-19} suggested)
$M_{O_2} = 31.9988$, $M_{N_2} = 28.0134$, $M_O = 15.9994$, $M_N = 14.0067$, $M_{H_2O} = 18.0153$, and $M_{O_3} = 47.9982$

OTHER MODELS REQUIRED: none.