

```

SOLUTION 1  #injectate
  pH      6.78
  pe      14      02(g)  0.9
  temp    25.
  units   mg/L
  Alkali nity 2930 as HC03
  Ca      68
  Mg      23
  Na      1300
  K       14
  Cl      32
  N(-3)   0.0001 as N
  Si      1
  S(6)    896 as S04 charge
  C(4)    2930 as HC03
#
END
# EQUILIBRIUM_PHASES 1
#      02(g)          -0.699
#      CO2(g)         -3.5
#SAVE solution 1
#END
SOLUTION 2  Aquifer
  pH      8.52
  pe      1.08
  temp    11.4
  units   mg/L
  Alkali nity 625.4 # 580
  Ca      7.0
  Mg      3.3
  Na      545.4
  K       6.9
  Cl      5.7
  N(-3)   0.4 as N
  Si      8.3 as SiO2
  S(6)    506.8 as S04
  C(4)    684.6 as HC03
END
Use Solution 2
EQUILIBRIUM_PHASES 2
  Calci te      0.0
#  Gypsum       0.0
#  02(g)        -12
#  CO2(g)       -2.8
SAVE solution 2
END
SELECTED_OUTPUT
  -file 11ayerTandchem.dummy.sel
  -reset false
  -pH
  -pe
  -temperature
  -alkalinity
USER_PUNCH
-headng  SC      Ca      Mg      Na      Cl      C(4)      S04
45 PUNCH SC
50 PUNCH TOT("Ca")*1e3*40.08
60 PUNCH TOT("Mg")*1e3*24.312
70 PUNCH TOT("Na")*1e3*23.
80 PUNCH TOT("Cl")*1e3*35.45
90 PUNCH TOT("C(4)")*1e3*61. # as HC03-
100 PUNCH TOT("S(6)")*1e3*96. # as S04
END

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