

SOLUTION 1 #injectate
 pH 6.78
 pe 14 02(g) 0.9
 temp 25.
 units mg/L
 Alkalinity 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 8.85
 pe 1.08
 temp 11.4
 units mg/L
 Alkalinity 128
 Ca 8
 Mg 0.1
 Na 117
 K 3.5
 Cl 6.3
 N(-3) 0.05 as N
 Si 9.5 as SiO2
 S(6) 130 as S04
 C(4) 145 as HC03

END

Use Solution 2

EQUILIBRIUM_PHASES 2
 Calcite 0.0
 # Gypsum 0.0
 # 02(g) -12
 # CO2(g) -3.8

SAVE solution 2

END

SELECTED_OUTPUT

-file 11ayerTandchem.dummy.sel
 -reset false
 -pH
 -pe
 -temperature
 -alkalinity

USER_PUNCH

-heading 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