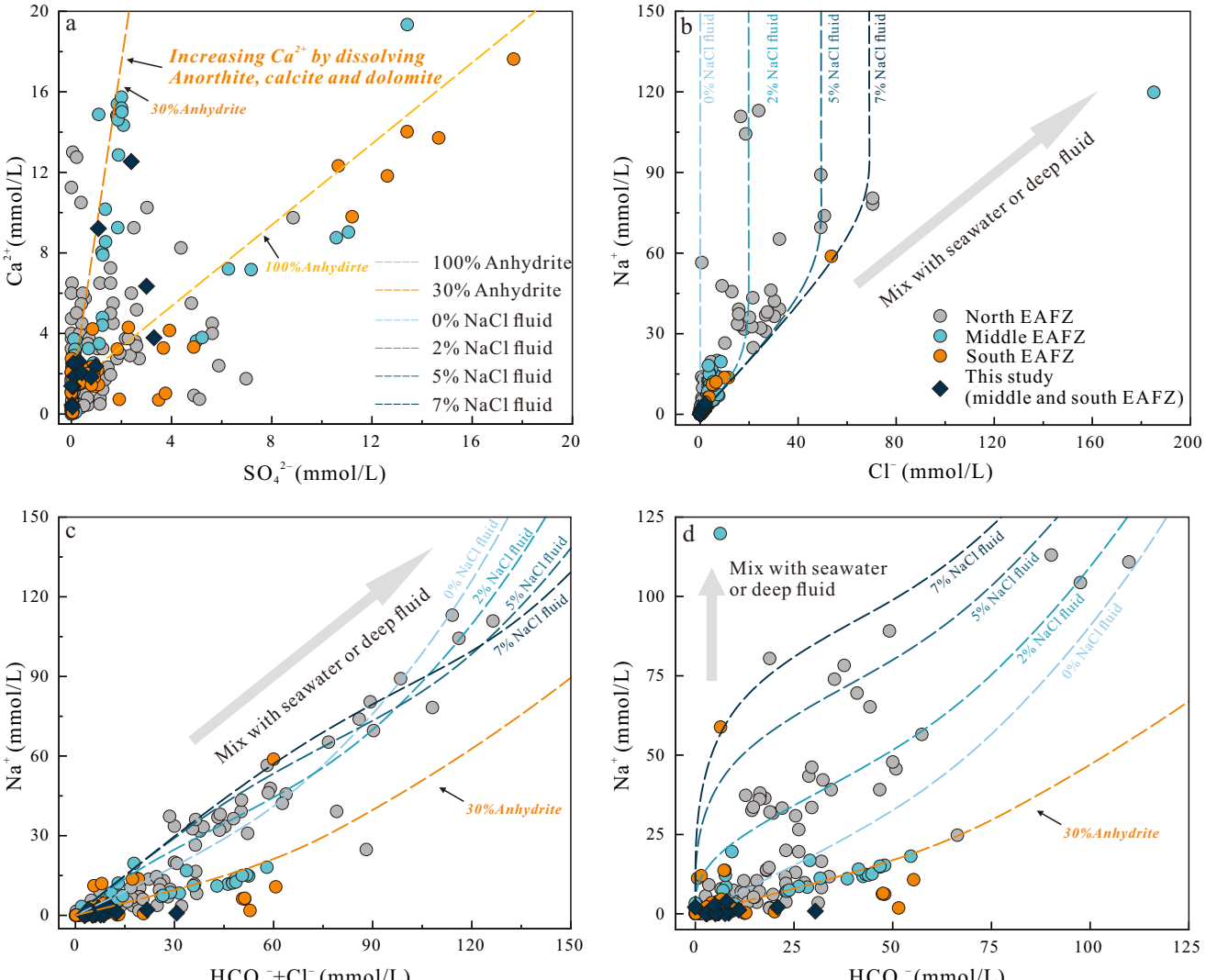
a
Increasing Ca2+ by dissolving Anorthite, calcite and dolomite
30%Anhydrite
100%Anhydirte
100% Anhydrite
30% Anhydrite
0% NaCl fluid
2% NaCl fluid
5% NaCl fluid
7% NaCl fluid
Ca2+(mmol/L)
SO42−(mmol/L)
b
0% NaCl fluid
2% NaCl fluid
5% NaCl fluid
7% NaCl fluid
Mix with seawater or deep fluid
North EAFZ
Middle EAFZ
South EAFZ
This study
(middle and south EAFZ)
Na+(mmol/L)
Cl−(mmol/L)
c
Mix with seawater or deep fluid
0% NaCl fluid
2% NaCl fluid
5% NaCl fluid
7% NaCl fluid
30%Anhydrite
Na+(mmol/L)
HCO3−+Cl−(mmol/L)
d
Mix with seawater or deep fluid
7% NaCl fluid
5% NaCl fluid
2% NaCl fluid
0% NaCl fluid
30%Anhydrite
Na+(mmol/L)
HCO3−(mmol/L)