A
SiO2 (wt%)
Na2O + K2O (wt%)
Phonolite
Tephri-phonolite
Trachyte
Nephelinite or Melilitite
Phono-tephrite
Trachy-andesite
Trachydacite
Rhyolite
Basaltic trachy-andesite
Tephrite or Basanite
Trachy-basalt
Andesite
Dacite
Picro-basalt
Basalt
Basaltic andesite
B
Ti/1000 (ppm)
V (ppm)
Low-Ti IAT
BON
IAT
MORB
BAB MORB
Alkaline
C
Zr (ppm)
Ti (ppm)
B = MORB + C-A bas + IAT
MORB
B
Calc-alkali basalt
IAT
D
Mg (#)
TiO2 (wt%)
U1573 Basalt ICP-AES
U1573 Basaltic andesite ICP-AES
U1573 Basaltic trachy-andesite ICP-AES
642E Upper S.
E. Greenland basalts:
Low-Ti
High-Ti