



Water-extractable OM

FA

HA

Water-extracted,
oxic

Water-
extracted, anoxic

Isolated from
soil, oxic

Isolated from
soil, anoxic

Isolated from water-
extractable OM, oxic

Isolated from water-
extractable OM, anoxic

Isolated from
soil, oxic

Isolated from
soil, anoxic

Aromaticity (%)

20

23

15

27

23

30

20

24

Aromaticity (%) = [aromatic C peak area (110–160 ppm)] × 100 / [total peak area (0–160 ppm)]