Sampling Order for Trace Gas Vials, Tanguro Soil Pits C2 K4 M8 MU 0.8 -0.4 -1.6 sampleorder → A (Vial 1) → B (Vial 2) → C (Vial 3) → NA 0.4 -100 200 300 400 0 100 200 300 400 0 100 200 300 400 0 100 200 300 400 Sample Depth (cm) C2 K4 **M8** MU 20000 -15000 -10000 -5000 -20000 sampleorder COSpp 15000 -→ A (Vial 1) → B (Vial 2) - C (Vial 3) 5000 -→ NA 20000 -15000 -Jan 10000 -5000 -100 200 300 400 0 100 200 300 400 0 100 200 300 400 0 100 200 300 400 Sample Depth (cm) C2 K4 M8 MU 0.7 -0.5 sampleorder → A (Vial 1) → B (Vial 2) C (Vial 3) → NA 0.3 -0.7 -0.5 -100 200 300 400 0 100 200 300 400 0 100 200 300 400 0 100 200 300 400 0 Sample Depth (cm)

1.6 -

1.2 -

M202N 0.8 -

1.6

1.2

0.8

0.4

0.9

0.3

CH4ppm 0.5 -

0.9 -

0.3 -