



**Figure S1.** Vertical distributions of (a) CFC-11, (b) Halon-2402, (c)  $\text{CCl}_4$ , (d)  $\text{CH}_3\text{CCl}_3$ , (e)

$\text{CH}_3\text{Cl}$ , (f)  $\text{CH}_3\text{Br}$ , (g)  $\text{CHCl}_3$ , (h)  $\text{CH}_2\text{Br}_2$ , (i)  $\text{CHBr}_3$ , (j)  $\text{C}_2\text{Cl}_4$  and (k) ethane. Plotted are individual data points (solid circles) measured by WAS on August 5<sup>th</sup> in the TTL ( $<11^\circ\text{N}$ ), and are compared with observations both from  $11\text{--}25^\circ\text{N}$  (green empty squares) and from  $25\text{--}36^\circ\text{N}$  (blue asterisks) on the 3<sup>rd</sup> and 9<sup>th</sup> of August, without showing any significant separation from the extratropical observations.