Montréal Region affected by dusts

Dust particles

Residual SO$_2$ → Sulfate
$\Delta^{33}$S > 0.5 ‰ $\Delta^{33}$S ~ 0.5 ‰

Dust particles + sulfates

Deposition $\Delta^{33}$S < 0 ‰

Deposition

SO$_2$ → Sulfate

$\Delta^{33}$S ~ 0 ‰ $\Delta^{33}$S ~ 0 ‰

Average : $\Delta^{33}$S ~ 0.5‰

Region affected by dusts

Montréal suburb
Station 98

Montréal
Stations 03, 06, 13, 50

Average : 0 < $\Delta^{33}$S < 0.5‰

Photooxidation on mineral dust