**Table S1. Technical names of the various air pollution measurement instruments used in Gothenburg, Sweden during 1985−2010**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Station name** | **Location** | **Air pollutant** | **Year** | **Instrument** | **Method** |
| Femman | Urban | PM10 | 1990−2010a | TEOM 1400a | Tapered element oscillating microbalance |
| Femman | Urban | NOX/NO2 | 1985−1989 | Tecan CLD 502  | Chemiluminiscence |
| Femman | Urban | NOX/NO2 | 1989−2006 | Tecan CLD 700 AL  | Chemiluminiscence |
| Femman | Urban | NOX/NO2 | 2006−2010 | Ecophysics CLD 700 AL | Chemiluminiscence |
| Råö | Rural | O3  | 1985−1995 | Monitor Labs 8810  | UV absorption |
| Råö | Rural | O3 | 1995−1997 | Monitor Labs 9810  | UV absorption |
| Råö | Rural | O3 | 1997−1998 | Dasibi 1008-AH/4655  | UV absorption |
| Råö | Rural | O3 | 1998−2001 | Monitor Labs 9810  | UV absorption |
| Råö | Rural | O3 | 2001−2002 | Thermo Electron 49C  | UV absorption |
| Råö | Rural | O3 | 2002−2006 | Monitor Labs 9810  | UV absorption |
| Råö | Rural | O3 | 2006−2010 | Monitor Labs 8810  | UV absorption |

aNo measurements during 1985−1989