

Combined uncertainty in the theoretical values (%) for the EMEP laboratory intercomparison Round 41

| Sample type G | H+ | SO4-S | NO3-N | Na | NH4-N | Cl | Mg | Ca | K | pH | Cond. |
|---------------|------|-------|-------|------|-------|------|------|------|------|------|-------|
| G1 | 0.31 | 0.55 | 0.23 | 0.21 | 0.14 | 0.17 | 0.23 | 0.40 | 0.14 | 0.31 | 0.30 |
| G2 | 0.29 | 0.62 | 0.86 | 0.25 | 0.83 | 0.20 | 0.23 | 0.50 | 0.13 | 0.29 | 0.50 |
| G3 | 0.57 | 0.75 | 1.00 | 0.25 | 0.98 | 0.19 | 0.23 | 0.43 | 0.13 | 0.57 | 0.58 |
| G4 | 0.59 | 0.79 | 0.26 | 0.22 | 0.17 | 0.16 | 0.23 | 0.46 | 0.14 | 0.59 | 0.32 |

| Sample type H | As | Cd | Cr | Cu | NI | Pb | Zn |
|---------------|------|------|------|------|------|------|------|
| H1 | 0.59 | 0.76 | 0.57 | 0.52 | 0.68 | 0.52 | 0.61 |
| H2 | 1.00 | 0.83 | 0.57 | 0.59 | 1.00 | 0.54 | 0.92 |
| H3 | 0.72 | 0.65 | 1.09 | 0.84 | 0.89 | 0.58 | 0.65 |
| H4 | 1.08 | 0.72 | 1.08 | 0.73 | 0.80 | 0.77 | 0.62 |

| Sample type B | SO2 | HNO3 |
|---------------|-----|------|
| B1 | 2.0 | 2.0 |
| B2 | 1.7 | 1.7 |
| B4 | 1.3 | 1.3 |
| B6 | 1.4 | 1.3 |

| Sample type C | NO2 |
|---------------|------|
| C1 | 0.29 |
| C2 | 0.25 |
| C3 | 0.19 |
| C4 | 0.38 |

| Sample type J | NH3 |
|---------------|-----|
| J1 | 2.5 |
| J2 | 1.8 |
| J4 | 1.4 |
| J5 | 1.3 |