| | BB periods (from January to May) | | | Non-BB periods (from June to December) | | |
|---|---|---|---|---|---|---|
| Components | PC1 | PC2 | PC3 | PC1 | PC2 | PC3 |
| Al | **0.96** | – | – | **0.98** | – | – |
| Fe | **0.96** | – | – | **0.97** | – | – |
| Mg | **0.90** | – | – | **0.73** | – | – |
| Ca | **0.87** | – | – | **0.71** | – | – |
| Sr | **0.87** | – | – | – | – | – |
| Ba | **0.94** | – | – | **0.85** | – | – |
| Ti | **0.97** | – | – | **0.97** | – | – |
| Mn | **0.97** | – | – | **0.81** | 0.48 | – |
| Ni | **0.96** | – | – | – | – | – |
| Zn | **0.85** | – | – | – | – | – |
| Mo | **0.84** | – | – | – | 0.40 | – |
| Sb | **0.76** | 0.55 | – | – | **0.89** | - |
| Tl | **0.85** | 0.43 | – | – | **0.87** | - |
| Pb | – | 0.51 | – | – | 0.45 | – |
| V | **0.98** | – | – | **0.75** | 0.47 | – |
| As | – | 0.67 | −0.44 | – | **0.80** | – |
| Se | **0.87** | 0.43 | – | – | **0.85** | – |
| Rb | **0.98** | – | – | **0.91** | – | – |
| La | **0.94** | – | – | **0.94** | – | – |
| Ce | **0.95** | – | – | **0.95** | – | – |
| Nd | **0.96** | – | – | **0.97** | – | – |
| $Na^+$ | – | – | **0.80** | – | – | **0.87** |
| $NH_4^+$ | **0.80** | 0.49 | – | – | – | **0.78** |
| $K^+$ | – | **0.71** | 0.47 | – | – | **0.68** |
| $Cl^-$ | – | – | **0.66** | – | – | **0.70** |
| $SO_4^{2-}$ | **0.86** | 0.47 | – | – | 0.53 | **0.73** |
| $NO_3^-$ | **0.75** | – | 0.55 | – | – | **0.79** |
| CO | 0.43 | 0.50 | – | – | 0.59 | – |
| Potential sources | Dust + SIA + Industry | BB | Sea salt | Dust | Industry | SIA + Sea salt |
| Explained variance | 49.3 | 25.9 | 16.1 | 34.9 | 17.4 | 16.2 |