

13. 地球環境関係資料

13-1 大阪府における酸性雨測定結果の推移

| 測定項目 | 年度 | 池田局 | | 国設大阪局 | | |
|--|---|------------|------------|------------|------------|------|
| | | 範囲 | 加重平均 | 範囲 | 加重平均 | |
| pH | 昭和58 | 4.04~6.80 | 4.64 | 3.97~6.54 | 4.51 | |
| | | 3.83~5.69 | 4.61 | 4.09~6.23 | 4.45 | |
| | | 4.16~6.25 | 4.68 | 4.15~7.56 | 4.66 | |
| | | 4.06~6.38 | 4.59 | 4.08~6.63 | 4.53 | |
| | | 3.86~6.55 | 4.63 | 3.75~6.72 | 4.56 | |
| | 平成元 | 3.82~6.27 | 4.54 | 3.63~6.00 | 4.46 | |
| | | 3.91~6.72 | 4.63 | 3.89~6.84 | 4.64 | |
| | | 4.11~5.71 | 4.64 | 4.24~6.40 | 4.67 | |
| | | 4.18~6.37 | 4.64 | 4.16~6.35 | 4.68 | |
| | | 3.88~6.38 | 4.61 | 4.12~6.51 | 4.87 | |
| | 平成元 | 3.90~6.36 | 4.78 | 4.03~6.60 | 4.92 | |
| | | 4.99~95.9 | 16.0 | 14.8~122 | 30.2 | |
| | | 5.46~88.0 | 17.3 | 10.9~213 | 27.6 | |
| | | 5.96~80.8 | 17.8 | 13.1~190 | 25.1 | |
| | | 4.96~82.6 | 20.3 | 11.9~125 | 28.8 | |
| EC ($\mu\text{s}/\text{cm}$) | 昭和58 | 5.62~109 | 19.7 | 11.6~174 | 32.3 | |
| | | 4.36~79.2 | 18.3 | 11.6~129 | 26.9 | |
| | | 5.46~126 | 16.2 | 8.72~123 | 21.0 | |
| | | 4.13~112 | 18.1 | 9.44~133 | 20.2 | |
| | | 5.36~194 | 19.8 | 6.95~139 | 22.3 | |
| | 平成元 | 3.29~87.9 | 20.7 | 5.20~196 | 20.3 | |
| | | 4.47~125 | 14.8 | 5.66~159 | 16.9 | |
| | | 0.29~14.44 | 1.60 | 0.89~19.09 | 2.99 | |
| | | 0.51~11.21 | 1.73 | 1.20~37.13 | 2.86 | |
| | | 0.55~9.15 | 1.91 | 1.05~23.71 | 2.97 | |
| | NO ₃ ⁻ ($\mu\text{g}/\text{ml}$) | 昭和58 | 0.50~9.38 | 2.08 | 0.94~14.93 | 3.13 |
| | | | 0.72~10.56 | 1.99 | 1.43~16.88 | 3.31 |
| | | | 0.22~9.05 | 1.56 | 0.78~15.87 | 2.48 |
| | | | 0.46~16.01 | 1.46 | 0.89~13.35 | 2.24 |
| | | | 0.30~9.20 | 1.81 | 0.90~16.29 | 2.31 |
| 平成元 | | 0.32~14.82 | 1.87 | 0.87~21.35 | 2.66 | |
| | | 0.29~13.50 | 1.99 | 0.53~31.07 | 2.61 | |
| | | 0.29~14.65 | 1.46 | 0.80~20.85 | 2.18 | |
| | | 0.29~14.44 | 1.60 | 0.89~19.09 | 2.99 | |
| | | 0.51~11.21 | 1.73 | 1.20~37.13 | 2.86 | |
| NH ₄ ⁺ ($\mu\text{g}/\text{ml}$) | | 昭和58 | 0.55~9.15 | 1.91 | 1.05~23.71 | 2.97 |
| | | | 0.72~10.56 | 1.99 | 1.43~16.88 | 3.31 |
| | | | 0.22~9.05 | 1.56 | 0.78~15.87 | 2.48 |
| | | | 0.46~16.01 | 1.46 | 0.89~13.35 | 2.24 |
| | | | 0.30~9.20 | 1.81 | 0.90~16.29 | 2.31 |
| | 平成元 | 0.32~14.82 | 1.87 | 0.87~21.35 | 2.66 | |
| | | 0.29~13.50 | 1.99 | 0.53~31.07 | 2.61 | |
| | | 0.29~14.65 | 1.46 | 0.80~20.85 | 2.18 | |
| | | 0.29~14.44 | 1.60 | 0.89~19.09 | 2.99 | |
| | | 0.51~11.21 | 1.73 | 1.20~37.13 | 2.86 | |
| | Cl ⁻ ($\mu\text{g}/\text{ml}$) | 昭和58 | 0.50~9.38 | 2.08 | 0.94~14.93 | 3.13 |
| | | | 0.72~10.56 | 1.99 | 1.43~16.88 | 3.31 |
| | | | 0.22~9.05 | 1.56 | 0.78~15.87 | 2.48 |
| | | | 0.46~16.01 | 1.46 | 0.89~13.35 | 2.24 |
| | | | 0.30~9.20 | 1.81 | 0.90~16.29 | 2.31 |
| 平成元 | | 0.32~14.82 | 1.87 | 0.87~21.35 | 2.66 | |
| | | 0.29~13.50 | 1.99 | 0.53~31.07 | 2.61 | |
| | | 0.29~14.65 | 1.46 | 0.80~20.85 | 2.18 | |
| | | 0.29~14.44 | 1.60 | 0.89~19.09 | 2.99 | |
| | | 0.51~11.21 | 1.73 | 1.20~37.13 | 2.86 | |
| SO ₄ ²⁻ ($\mu\text{g}/\text{ml}$) | | 昭和58 | 0.50~9.38 | 2.08 | 0.94~14.93 | 3.13 |
| | | | 0.72~10.56 | 1.99 | 1.43~16.88 | 3.31 |
| | | | 0.22~9.05 | 1.56 | 0.78~15.87 | 2.48 |
| | | | 0.46~16.01 | 1.46 | 0.89~13.35 | 2.24 |
| | | | 0.30~9.20 | 1.81 | 0.90~16.29 | 2.31 |
| | 平成元 | 0.32~14.82 | 1.87 | 0.87~21.35 | 2.66 | |
| | | 0.29~13.50 | 1.99 | 0.53~31.07 | 2.61 | |
| | | 0.29~14.65 | 1.46 | 0.80~20.85 | 2.18 | |
| | | 0.29~14.44 | 1.60 | 0.89~19.09 | 2.99 | |
| | | 0.51~11.21 | 1.73 | 1.20~37.13 | 2.86 | |

(注) n: 測定週数/年

| 測定項目 | 年度 | 池田局 | | 国設大阪局 | |
|----------------------------------|-----------|------------|-----------|-----------|------|
| | | 範囲 | 加重平均 | 範囲 | 加重平均 |
| Na ⁺ (μ g/ml) | 昭和58 | 0.27~6.10 | 0.54 | 0.44~4.87 | 0.90 |
| | 59 | 0.06~4.55 | 0.51 | 0.12~4.85 | 0.49 |
| | 60 | 0.04~6.20 | 0.51 | 0.12~10.6 | 0.57 |
| | 61 | 0.09~7.90 | 0.42 | 0.18~4.70 | 0.56 |
| | 62 | 0.10~1.87 | 0.38 | 0.20~3.00 | 0.56 |
| | 63 | 0.03~2.67 | 0.24 | 0.07~1.98 | 0.33 |
| | 平成元 | 0.02~2.70 | 0.24 | 0.05~3.44 | 0.25 |
| | 2 | 0.01~2.80 | 0.36 | 0.03~9.36 | 0.32 |
| | 3 | 0.02~20.00 | 0.44 | 0.04~4.64 | 0.30 |
| | 4 | 0.02~5.44 | 0.38 | 0.05~7.25 | 0.39 |
| 5 | 0.04~6.05 | 0.28 | 0.03~6.70 | 0.29 | |
| 降水量 (mm) | 昭和59 | 1404.8 | | 1277.0 | |
| | 60 | 1405.7 | | 1105.5 | |
| | 61 | 1322.1 | | 1253.6 | |
| | 62 | 1045.0 | | 883.8 | |
| | 63 | 1628.2 | | 1508.9 | |
| | 平成元 | 1625.5 | | 1465.7 | |
| | 2 | 1582.0 | | 1649.7 | |
| | 3 | 1319.0 | | 1338.2 | |
| | 4 | 1332.0 | | 1193.8 | |
| | 5 | 1726.2 | | 1532.0 | |

| 測定項目 | 年度 | 池田局 | | 国設大阪局 | |
|-----------------------------------|-------------|-------------|-------------|-------------|-------|
| | | 範囲 | 加重平均 | 範囲 | 加重平均 |
| Ca ²⁺ (μ g/ml) | 昭和58 | 0.02~8.14 | 0.43 | 0.16~9.40 | 1.34 |
| | 59 | 0.15~3.25 | 0.41 | 0.18~9.22 | 0.88 |
| | 60 | 0.09~4.81 | 0.38 | 0.32~9.94 | 0.97 |
| | 61 | 0.15~5.28 | 0.40 | 0.27~7.28 | 0.88 |
| | 62 | 0.10~1.95 | 0.37 | 0.44~6.70 | 1.18 |
| | 63 | 0.00~2.85 | 0.25 | 0.07~6.50 | 0.66 |
| | 平成元 | 0.02~5.12 | 0.18 | 0.06~7.20 | 0.57 |
| | 2 | 0~3.42 | 0.30 | 0.03~7.87 | 0.59 |
| | 3 | 0.04~5.34 | 0.30 | 0.10~10.47 | 0.65 |
| | 4 | 0.06~2.94 | 0.31 | 0.10~11.04 | 0.78 |
| 5 | 0.03~5.98 | 0.28 | 0.09~10.35 | 0.57 | |
| Mg ²⁺ (μ g/ml) | 昭和58 | 0.030~0.965 | 0.070 | 0.049~0.847 | 0.139 |
| | 59 | 0.011~0.688 | 0.070 | 0.020~1.128 | 0.077 |
| | 60 | 0.010~1.049 | 0.074 | 0.019~1.240 | 0.088 |
| | 61 | 0.012~0.598 | 0.051 | 0.023~0.748 | 0.074 |
| | 62 | 0.013~0.271 | 0.056 | 0.029~0.526 | 0.094 |
| | 63 | 0.006~0.382 | 0.041 | 0.011~0.624 | 0.063 |
| | 平成元 | 0.006~2.040 | 0.038 | 0.017~0.876 | 0.051 |
| | 2 | 0.001~0.524 | 0.049 | 0.004~1.244 | 0.056 |
| | 3 | 0.005~2.380 | 0.073 | 0.006~0.880 | 0.061 |
| | 4 | 0.007~0.688 | 0.061 | 0.013~1.435 | 0.078 |
| 5 | 0.003~1.010 | 0.045 | 0.005~1.130 | 0.053 | |
| K ⁺ (μ g/ml) | 昭和58 | 0.01~0.80 | 0.08 | 0.08~1.04 | 0.20 |
| | 59 | 0.01~0.50 | 0.07 | 0.04~1.36 | 0.11 |
| | 60 | 0~0.85 | 0.07 | 0.04~1.70 | 0.21 |
| | 61 | 0.01~1.04 | 0.06 | 0.05~1.12 | 0.21 |
| | 62 | 0~0.32 | 0.05 | 0.04~0.50 | 0.11 |
| | 63 | 0~0.34 | 0.03 | 0~0.52 | 0.07 |
| | 平成元 | 0~0.68 | 0.03 | 0~0.61 | 0.06 |
| | 2 | 0~0.70 | 0.06 | 0~0.93 | 0.05 |
| | 3 | 0~1.66 | 0.06 | 0~0.97 | 0.07 |
| | 4 | 0~0.53 | 0.05 | 0.01~1.41 | 0.07 |
| 5 | 0~0.87 | 0.05 | 0.01~1.06 | 0.06 | |