Appendix Table 01. Elemental concentrations (µg L-1) of the surface water at each station in the Tonle Sap Lake in the dry season. REEs; total values of the rare earth elements. DL; Detection Limit.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Element | DL | L01 | L02 | L03 | L04 | L05 | L06 | L07 | L08 | L09 | L10 | L11 | L12 | L13 | L14 | L15 | L16 | Mean±SD |
| Ca | 0.7 | 5430 | 5750 | 6120 | 4370 | 6020 | 6850 | 9050 | 10300 | 9090 | 6260 | 6730 | 5860 | 8040 | 7710 | 5540 | 5890 | 6810±1600 |
| Na | 8 | 4800 | 4670 | 4900 | 3600 | 6240 | 6600 | 8890 | 10300 | 8550 | 7830 | 7190 | 6180 | 9120 | 8850 | 5870 | 7250 | 6930±1900 |
| Si | 1 | 7610 | 5510 | 5310 | 3740 | 7590 | 6490 | 8410 | 8170 | 8150 | 6330 | 7430 | 7430 | 6690 | 5820 | 6030 | 6010 | 6670±1260 |
| Mg | 0.8 | 2340 | 2470 | 2540 | 1680 | 3090 | 3380 | 4630 | 5120 | 3940 | 3010 | 3280 | 3190 | 4410 | 3620 | 2850 | 2950 | 3280±900 |
| K | 20 | 2250 | 1880 | 1840 | 1620 | 3720 | 1990 | 2010 | 1860 | 1740 | 1830 | 1780 | 2230 | 2050 | 1450 | 1940 | 2450 | 2040±510 |
| Al | 0.7 | 489 | 215 | 194 | 62 | 338 | 199 | 17 | 50 | 37 | 128 | 134 | 173 | 20 | 99 | 246 | 254 | 166±128 |
| Fe | 0.03 | 312 | 189 | 128 | 69 | 211 | 165 | 15 | 38 | 30 | 143 | 89 | 125 | 71 | 106 | 175 | 274 | 134±85 |
| Sr | 0.02 | 42.3 | 47.6 | 50.0 | 34.7 | 52.8 | 59.7 | 79.8 | 90.1 | 78.2 | 51.1 | 63.9 | 59.3 | 75.9 | 71.1 | 53.4 | 59.4 | 60.6±15.1 |
| Ba | 0.04 | 18.1 | 18.2 | 21.0 | 15.6 | 21.1 | 22.0 | 28.6 | 31.4 | 15.8 | 11.2 | 14.9 | 22.7 | 16.1 | 12.6 | 12.1 | 12.5 | 18.4±5.8 |
| Mn | 0.01 | 3.1 | 2.0 | 1.5 | 0.8 | 2.6 | 2.6 | 0.8 | 1.9 | 0.9 | 2.7 | 1.7 | 2.2 | 1.7 | 2.0 | 4.8 | 2.2 | 2.1±1.0 |
| B | 0.4 | 12.7 | 11.5 | 12.0 | 9.6 | 14.5 | 14.2 | 16.1 | 14.4 | 13.0 | 13.0 | 13.1 | 14.1 | 13.9 | 9.7 | 13.3 | 10.8 | 12.9±1.8 |
| P | 5 | 16.4 | 10.1 | 15.3 | < DL | 14.5 | 12.7 | 20.3 | 28.6 | 14.6 | 17.4 | 13.0 | 14.2 | 17.0 | 10.5 | 12.2 | 9.6 | 14.4±5.3 |
| Zn | 0.03 | 1.0 | 0.5 | 0.5 | 0.5 | 0.8 | 0.5 | 0.6 | 0.6 | 1.6 | 0.5 | 1.1 | 1.5 | 0.7 | 1.1 | 1.2 | 0.6 | 0.8±0.4 |
| Ti | 0.4 | 6.2 | 4.4 | 2.9 | 0.9 | 4.5 | 3.3 | 1.0 | 0.8 | 1.0 | 3.0 | 2.6 | 3.0 | 0.9 | 2.0 | 3.8 | 4.0 | 2.8±1.6 |
| Rb | 0.01 | 6.44 | 4.88 | 4.34 | 3.60 | 6.74 | 5.70 | 5.97 | 5.45 | 4.79 | 5.15 | 5.13 | 6.85 | 4.73 | 4.22 | 5.90 | 4.06 | 5.25±0.97 |
| V | 0.001 | 1.77 | 1.32 | 1.09 | 0.67 | 1.40 | 1.33 | 1.24 | 1.20 | 1.92 | 2.34 | 1.52 | 1.00 | 0.89 | 1.13 | 1.76 | 1.07 | 1.35±0.43 |
| As | 0.01 | 2.11 | 1.66 | 1.31 | 0.88 | 2.13 | 2.12 | 2.13 | 2.17 | 3.49 | 2.69 | 2.69 | 1.87 | 1.36 | 1.93 | 2.70 | 1.15 | 2.02±0.67 |
| Cu | 0.03 | 1.53 | 1.13 | 1.29 | 1.26 | 1.33 | 1.05 | 0.73 | 0.69 | 0.89 | 1.02 | 1.10 | 1.25 | 0.53 | 1.02 | 1.30 | 1.21 | 1.08±0.27 |

Appendix Table 01 (Continued).

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Element | DL | L01 | L02 | L03 | L04 | L05 | L06 | L07 | L08 | L09 | L10 | L11 | L12 | L13 | L14 | L15 | L16 | Mean±SD |
| Li | 0.3 | 0.82 | 0.67 | 0.58 | 0.47 | 0.66 | 0.65 | 0.75 | 0.71 | 0.60 | 0.62 | 0.54 | 0.75 | 0.80 | 0.59 | 0.65 | 0.54 | 0.65±0.10 |
| Ni | 0.1 | 0.68 | 0.38 | 0.40 | 0.30 | 0.61 | 0.45 | < DL | < DL | < DL | 0.39 | 0.23 | 0.42 | < DL | 0.24 | 0.38 | 0.43 | 0.31±0.21 |
| Cr | 0.01 | 0.428 | 0.244 | 0.249 | 0.136 | 0.353 | 0.213 | 0.061 | 0.090 | 0.080 | 0.167 | 0.144 | 0.212 | 0.117 | 0.164 | 0.241 | 0.263 | 0.198±0.099 |
| Zr | 0.003 | 0.246 | 0.329 | 0.139 | 0.083 | 0.218 | 0.144 | 0.015 | 0.023 | 0.038 | 0.192 | 0.164 | 0.129 | 0.021 | 0.080 | 0.192 | 0.210 | 0.139±0.091 |
| Co | 0.02 | 0.117 | 0.080 | 0.055 | 0.039 | 0.110 | 0.077 | 0.040 | 0.050 | 0.051 | 0.124 | 0.071 | 0.074 | 0.108 | 0.088 | 0.115 | 0.146 | 0.084±0.033 |
| Pb | 0.002 | 0.216 | 0.185 | 0.100 | 0.088 | 0.197 | 0.148 | 0.038 | 0.050 | 0.064 | 0.176 | 0.127 | 0.164 | 0.065 | 0.124 | 0.176 | 0.149 | 0.129±0.056 |
| Mo | 0.006 | 0.069 | 0.094 | 0.098 | 0.105 | 0.089 | 0.077 | 0.088 | 0.115 | 0.031 | 0.029 | 0.040 | 0.043 | 0.085 | 0.036 | 0.028 | 0.045 | 0.067±0.030 |
| Sb | 0.001 | 0.151 | 0.147 | 0.151 | 0.124 | 0.133 | 0.120 | 0.126 | 0.133 | 0.125 | 0.153 | 0.112 | 0.118 | 0.162 | 0.092 | 0.141 | 0.102 | 0.131±0.020 |
| Ga | 0.02 | 0.139 | 0.091 | 0.077 | 0.042 | 0.089 | 0.059 | 0.013 | 0.035 | 0.063 | 0.061 | 0.056 | 0.045 | 0.030 | 0.038 | 0.085 | 0.073 | 0.062±0.030 |
| U | 0.002 | 0.051 | 0.048 | 0.032 | 0.021 | 0.054 | 0.070 | 0.040 | 0.080 | 0.110 | 0.102 | 0.063 | 0.029 | 0.047 | 0.065 | 0.062 | 0.043 | 0.057±0.025 |
| Se | 0.03 | 0.084 | 0.084 | 0.077 | 0.064 | 0.063 | 0.092 | 0.051 | 0.054 | 0.076 | 0.045 | 0.077 | 0.049 | 0.079 | 0.058 | 0.086 | 0.077 | 0.070±0.015 |
| Cs | 0.02 | 0.080 | 0.044 | 0.032 | 0.030 | 0.053 | 0.035 | 0.021 | 0.041 | 0.033 | 0.031 | 0.029 | 0.049 | < DL | 0.027 | 0.055 | 0.051 | 0.039±0.016 |
| W | 0.002 | 0.053 | 0.061 | 0.054 | 0.046 | 0.034 | 0.034 | 0.039 | 0.048 | 0.034 | 0.025 | 0.022 | 0.026 | 0.028 | 0.018 | 0.029 | 0.012 | 0.035±0.014 |
| Sn | 0.003 | 0.028 | 0.022 | 0.013 | 0.018 | 0.026 | 0.015 | 0.018 | 0.017 | 0.021 | 0.017 | 0.035 | 0.023 | 0.018 | 0.035 | 0.058 | 0.026 | 0.024±0.011 |
| Ge | 0.01 | < DL | 0.016 | 0.013 | < DL | < DL | < DL | < DL | < DL | < DL | < DL | < DL | < DL | < DL | < DL | < DL | < DL | < DL |
| Cd | 0.001 | 0.004 | 0.001 | 0.003 | 0.002 | 0.005 | 0.004 | 0.002 | 0.004 | < DL | 0.003 | 0.004 | 0.002 | 0.003 | 0.005 | 0.006 | 0.003 | 0.003±0.002 |
| REEs |  | 0.99 | 0.69 | 0.50 | 0.42 | 0.66 | 0.56 | 0.16 | 0.29 | 0.29 | 0.59 | 0.37 | 0.49 | 0.23 | 0.32 | 0.54 | 0.54 | 0.99±0.16 |