|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | pH | EC | Na+ | K+ | Ca2+ | Mg2+ | Cl- | NO3- | SO42- | HCO3- | SiO2 | TDS | Sr |
| pH | 1 |  |  |  |  |  |  |  |  |  |  |  |  |
| **Sig.** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| EC | 0.173 | 1 |  |  |  |  |  |  |  |  |  |  |  |
| **Sig.** | **0.31** |  |  |  |  |  |  |  |  |  |  |  |  |
| Na+ | 0.057 | 0.836\*\* | 1 |  |  |  |  |  |  |  |  |  |  |
| **Sig.** | **0.74** | **0.00** |  |  |  |  |  |  |  |  |  |  |  |
| K+ | 0.082 | 0.740\*\* | 0.808\*\* | 1 |  |  |  |  |  |  |  |  |  |
| **Sig.** | **0.64 0.000** | **0.00** | **0.00** |  |  |  |  |  |  |  |  |  |  |
| Ca2+ | 0.333\* | 0.841\*\* | 0.454\*\* | 0.396\* | 1 |  |  |  |  |  |  |  |  |
| **Sig.** | **0.05** | **0.00** | **0.01** | **0.02** |  |  |  |  |  |  |  |  |  |
| Mg2+ | 0.283 | 0.912\*\* | 0.608\*\* | 0.517\*\* | 0.911\*\* | 1 |  |  |  |  |  |  |  |
| **Sig.** | **0.10** | **0.00** | **0.00** | **0.00** | **0.00** |  |  |  |  |  |  |  |  |
| Cl- | 0.099 | 0.821\*\* | 0.963\*\* | 0.762\*\* | 0.460\*\* | 0.636\*\* | 1 |  |  |  |  |  |  |
| **Sig.** | **0.56** | **0.00** | **0.00** | **0.00** | **0.01** | **0.00** |  |  |  |  |  |  |  |
| NO3- | 0.038 | 0.477\*\* | 0.424\* | 0.789\*\* | 0.281 | 0.382\* | 0.389\* | 1 |  |  |  |  |  |
| **Sig.** | **0.83** | **0.00** | **0.01** | **0.00** | **0.10** | **0.02** | **0.02** |  |  |  |  |  |  |
| SO42- | 0.108 | 0.731\*\* | 0.377\* | 0.208 | 0.848\*\* | 0.814\*\* | 0.348\* | 0.101 | 1 |  |  |  |  |
| **Sig.** | **0.53** | **0.00** | **0.02** | **0.22** | **0.00** | **0.00** | **0.04** | **0.56** |  |  |  |  |  |
| HCO3- | 0.247 | 0.673\*\* | 0.453\*\* | 0.316 | 0.742\*\* | 0.658\*\* | 0.447\*\* | -0.002 | 0.451\*\* | 1 |  |  |  |
| **Sig.** | **0.15** | **0.00** | **0.01** | **0.06** | **0.00** | **0.00** | **0.01** | **0.98** | **0.01** |  |  |  |  |
| SiO2 | -0.073 | 0.244 | 0.517\*\* | 0.609\*\* | -0.149 | 0.039 | 0.456\*\* | 0.465\*\* | -0.362\* | 0.185 | 1 |  |  |
| **Sig.** | **0.67** | **0.15** | **0.00** | **0.00** | **0.39** | **0.82** | **0.01** | **0.00** | **0.03** | **0.28** |  |  |  |
| TDS | 0.174 | 0.990\*\* | 0.841\*\* | 0.787\*\* | 0.824\*\* | 0.899\*\* | 0.817\*\* | 0.565\*\* | 0.685\*\* | 0.653\*\* | 0.318 | 1 |  |
| **Sig.** | **0.31** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.059** |  |  |
| Sr | 0.053 | -0.21 | -0.174 | 0.005 | -0.227 | -0.138 | -0.147 | 0.207 | -0.257 | -0.336\* | 0.071 | -0.179 | 1 |
| **Sig.** | **0.76** | **0.22** | **0.31** | **0.98** | **0.18** | **0.42** | **0.39** | **0.23** | **0.13** | **0.05** | **0.68** | **0.30** |  |
| Note: \*Correlation is significant at *p* < 0.05 level; \*\*Correlation is significant at *p* < 0.01 level; Sig. means the significant difference (p-value). |