Supplementary table

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *Sample ID* | *Latitude* | *Longitude* | *Site* | *TDS* | *EC* | *Ca* | *Mg* | *Na* | *Cl* | *HCO3* | *SO4* | *NO3* | *Percent Error* |
| 1 | 25.2091 | 47.51798 | WWF | 1751 | 2351 | 240 | 68 | 190 | 350 | 181 | 625 | 5 | 0.02 |
| 2 | 25.2091 | 47.51798 | WWF | 2722 | 3555 | 352 | 175 | 139 | 540 | 183 | 950 | 8 | 0.09 |
| 3 | 25.19989 | 47.52767 | WWF | 1809 | 2448 | 291 | 53 | 149 | 338 | 149 | 645 | 4 | 0.04 |
| 4 | 25.18839 | 47.53128 | WWF | 2513 | 3301 | 304 | 112 | 283 | 495 | 179 | 950 | 5 | 0.01 |
| 5 | 25.16808 | 47.56114 | WWF | 2030 | 2685 | 304 | 87 | 128 | 390 | 157 | 690 | 5 | 0.04 |
| 6 | 25.05157 | 47.64685 | WWF | 2396 | 3159 | 312 | 97 | 229 | 480 | 172 | 825 | 4 | 0.05 |
| 7 | 25.05227 | 47.65801 | WWF | 2470 | 3252 | 352 | 117 | 224 | 540 | 179 | 900 | 6 | 0.04 |
| 8 | 25.04382 | 47.66427 | WWF | 2493 | 3278 | 336 | 107 | 240 | 503 | 187 | 900 | 15 | 0.07 |
| 9 | 25.03395 | 47.64819 | WWF | 2478 | 3259 | 344 | 146 | 128 | 480 | 181 | 875 | 4 | 0.01 |
| 10 | 25.02408 | 47.63212 | WWF | 2457 | 3235 | 365 | 80 | 286 | 520 | 199 | 925 | 6 | 0.01 |
| 11 | 25.02549 | 47.65445 | WWF | 2494 | 3281 | 336 | 165 | 137 | 505 | 171 | 925 | 7 | 0.05 |
| 12 | 25.01704 | 47.6607 | WWF | 2561 | 3360 | 320 | 107 | 255 | 520 | 182 | 875 | 4 | 0.05 |
| 13 | 24.99942 | 47.66204 | WWF | 2539 | 3332 | 360 | 190 | 70 | 530 | 178 | 900 | 9 | 0.15 |
| 14 | 24.97264 | 47.65848 | WWF | 2635 | 3450 | 368 | 107 | 232 | 580 | 162 | 875 | 6 | 0.04 |
| 15 | 24.96418 | 47.66472 | WWF | 2703 | 3534 | 384 | 146 | 219 | 585 | 173 | 1025 | 6 | 0.06 |
| 16 | 24.95643 | 47.68214 | WWF | 2727 | 3564 | 384 | 131 | 239 | 570 | 179 | 1025 | 5 | 0.04 |
| 17 | 24.93952 | 47.69462 | WWF | 1520 | 2006 | 432 | 107 | 298 | 590 | 229 | 1100 | 15 | 0.14 |
| 18 | 24.18739 | 47.45203 | WS | 1888 | 3850 | 602 | 52 | 375 | 705 | 222 | 1430 | 42 | -2.10 |
| 19 | 24.23725 | 47.51747 | WS | 2322 | 4730 | 1922 | 146 | 1123 | 2042 | 283 | 4741 | 40 | 0.18 |
| 20 | 24.19486 | 47.52153 | WS | 1939 | 3960 | 606 | 54 | 378 | 708 | 224 | 1436 | 45 | -1.73 |
| 21 | 24.20172 | 47.55589 | WS | 1663 | 3390 | 635 | 48 | 243 | 702 | 238 | 1296 | 6 | -0.72 |
| 22 | 24.22492 | 47.54061 | WS | 1769 | 3610 | 644 | 50 | 246 | 702 | 238 | 1296 | 6 | 0.40 |
| 23 | 24.24206 | 47.62069 | WS | 880 | 1798 | 418 | 38 | 158 | 323 | 202 | 955 | 39 | -1.41 |
| 24 | 24.2438 | 47.62703 | WS | 875 | 1786 | 406 | 36 | 156 | 330 | 213 | 888 | 36 | -1.11 |
| 25 | 24.23022 | 47.63886 | WS | 915 | 1869 | 421 | 41 | 160 | 325 | 207 | 960 | 41 | -0.89 |
| 26 | 24.2592 | 47.79369 | WS | 1983 | 4040 | 609 | 58 | 380 | 710 | 224 | 1436 | 45 | -1.08 |
| 27 | 24.25278 | 47.83772 | WS | 1986 | 4050 | 613 | 60 | 382 | 714 | 226 | 1440 | 46 | -0.79 |
| 28 | 24.18161 | 47.97117 | WS | 2446 | 4990 | 1930 | 147 | 1125 | 2050 | 285 | 4752 | 41 | 0.23 |
| 29 | 24.19853 | 47.99039 | WS | 1855 | 3790 | 602 | 55 | 380 | 709 | 222 | 1428 | 44 | -1.57 |
| 30 | 24.19042 | 48.06233 | WS | 1951 | 3990 | 610 | 59 | 381 | 711 | 224 | 1434 | 45 | -0.89 |