|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Site** | **Altitude [m]** | | **Mean flow velocity [m/s]** | **pH** | **Conductivity [µS/cm]** | **O2 saturation [%]** | **Temperature [°C]** | **Nitrate [mg/L]** | **Nitrite [mg/L]** | **Phosphate [mg/L]** | **Carbonate hardness [°dH]** | **YES [ng/g]** | **YDS [mg/g]** | **EC50-100  [mg sediment equivalency]** |
| 1 | 400 | | 0.05 | 9.76 | 225.0 | 9.75 | 14 | 28 | 0.00 | 0.24 | 1.6 | < LOQ | 1.105 | 88.68 |
| 2 | 223 | | 0.26 | 8.19 | 510.0 | 10.53 | 14 | 12 | 0.00 | 0.12 | 14.4 | < LOQ | 4.070 | 65.73 |
| 3 | 343 | | 0.01 | 7.53 | 253.0 | 9.23 | 15.7 | 0 | 0.00 | 0.00 | 6.0 | < LOQ | 0.165 | 7.38 |
| 4 | 247 | | 0.02 | 7.63 | 255.0 | 9.32 | 17.3 | 0 | 0.00 | 0.00 | 6.2 | 0.654 | 4.600 | 95.31 |
| 5 | 184 | | 0.35 | 7.80 | 313.0 | 10.53 | 15.3 | 0 | 0.00 | 0.02 | 6.6 | 0.629 | 2.130 | 83.40 |
| 6 | 170 | | 0.03 | 7.77 | 441.0 | 10.33 | 20.2 | 0 | 0.00 | 0.00 | 11.0 | 1.102 | 0.285 | 96.17 |
| 7 | 178 | | 0.32 | 7.88 | 414.0 | 10.11 | 21.9 | 1 | 0.05 | 0.00 | 15.4 | 1.221 | 0.194 | 97.78 |
| 8 | 204 | | 0.20 | 7.87 | 544.0 | 8.77 | 16.5 | 4 | 0.05 | 0.50 | 11.4 | < LOQ | 0.271 | 69.07 |
| 9 | 211 | | 0.34 | 7.95 | 270.0 | 10.17 | 17 | 2 | 0.02 | 0.14 | 6.4 | 7.916 | 3.320 | 96.70 |
| 10 | 12 | | 0.37 | 7.74 | 278.0 | 8.56 | 24.4 | 0 | 0.00 | 0.27 | 7.2 | < LOQ | 0.486 | 87.28 |
| 11 | 411 | | 0.20 | 8.54 | 565.0 | 11.37 | 20.8 | 0 | 0.01 | 0.19 | 18.2 | < LOQ | 0.209 | 72.17 |
| 12 | 578 | | 0.46 | 8.01 | 486.0 | 8.39 | 20.4 | 5 | 0.06 | 0.32 | 16.2 | < LOQ | 0.440 | 49.27 |
| 13 | 692 | | 0.00 | 8.21 | 216.2 | 10.56 | 23.4 | 0 | 0.02 | 0.05 | 5.4 | 3.229 | 6.970 | 96.60 |
| 15 | 696 | | 0.09 | 8.17 | 222.0 | 9.85 | 22.8 | 0 | 0.01 | 0.22 | 6.2 | < LOQ | 0.800 | 94.57 |
| 16 | 832 | | 0.13 | 8.08 | 500.0 | 10.31 | 17.1 | 11 | 0.25 | 0.40 | 14.2 | 2.862 | 2.010 | 97.71 |
| 17 | 825 | | 0.15 | 8.27 | 430.0 | 7.48 | 19 | 3 | 0.03 | 0.18 | 14.0 | 0.318 | 1.070 | 0.00 |
| 18 | 905 | | 0.31 | 8.25 | 473.0 | 8.68 | 17.4 | 0 | 0.01 | 0.50 | 15.6 | 0.392 | 0.445 | 95.44 |
| 19 | 826 | | 0.32 | 8.19 | 563.0 | 10.79 | 19.7 | 0 | 0.04 | 0.15 | 18.2 | < LOQ | < LOQ | 96.24 |
| 20 | 847 | | 0.00 | 8.60 | 210.6 | 12.53 | 24 | 0 | 0.00 | 0.00 | 5.6 | 0.769 | 0.330 | 95.85 |
| 21 | 851 | | 0.00 | 8.42 | 254.0 | 11.6 | 19.3 | 0 | 0.00 | 0.10 | 7.4 | < LOQ | 1.690 | 53.68 |
| 22 | 596 | | 0.03 | 8.02 | 374.0 | 5.76 | 16.2 | 20 | 0.94 | 0.78 | 5.4 | < LOQ | 0.330 | 94.90 |
| 23 | 628 | | 0.00 | 8.07 | 377.0 | 8.42 | 19.6 | 0 | 0.06 | 0.16 | 7.6 | 5.628 | 2.830 | 96.35 |
| 24 | 668 | | 0.00 | 8.39 | 342.0 | 9.32 | 17.1 | 0 | 0.02 | 0.08 | 5.6 | 1.076 | 0.466 | 74.57 |
| 25 | 574 | | 0.00 | 8.67 | 1100.0 | 14.78 | 21.4 | 0 | 0.00 | 0.01 | 19.0 | < LOQ | 0.171 | 89.33 |
| 26 | 517 | | 0.00 | 8.85 | 639.0 | 13.02 | 22.1 | 0 | 0.01 | 0.03 | 11.0 | 0.427 | < LOQ | 72.58 |
| 27 | 628 | | 0.00 | 8.66 | 292.0 | 8.58 | 21.3 | 0 | 0.02 | 0.00 | 4.8 | 4.819 | 17.900 | 97.49 |
| 28 | 613 | | 0.35 | 8.19 | 452.0 | 8.87 | 16 | 12 | 0.12 | 0.21 | 12.6 | 1.220 | 0.686 | 98.61 |
| 29 | 554 | | 0.49 | 8.30 | 495.0 | 10.87 | 19.1 | 9 | 0.03 | 0.32 | 12.0 | 0.457 | 0.143 | 77.00 |
| 30 | 114 | | 0.13 | 7.91 | 489.0 | 7.32 | 19.8 | 5 | 0.05 | 0.20 | 14.4 | 0.342 | 0.238 | 91.65 |
| 31 | 129 | | 0.22 | 8.17 | 368.0 | 10.2 | 18.7 | 0 | 0.00 | 0.18 | 11.0 | 0.395 | 0.546 | 0.00 |
| 32 | 100 | | 0.04 | 8.10 | 578.0 | 8.94 | 22.6 | 18 | 0.06 | 0.15 | 16.2 | < LOQ | 0.187 | 58.53 |
| 33 | 92 | | 0.25 | 7.96 | 590.0 | 6.01 | 22.3 | 20 | 0.14 | 1.61 | 15.6 | 2.194 | < LOQ | 96.77 |
| 34 | 183 | | 0.26 | 8.49 | 461.0 | 12.4 | 14.9 | 0 | 0.03 | 0.05 | 12.6 | < LOQ | 0.652 | 35.44 |
| 35 | 392 | | 0.00 | 9.01 | 697.0 | 14.23 | 21.4 | 20 | 0.51 | 0.17 | 21.6 | < LOQ | 0.865 | 98.75 |
| 36 | 86 | | 0.05 | 8.00 | 635.0 | 12.46 | 23.1 | 10 | 0.04 | 0.09 | 16.2 | < LOQ | 0.421 | 96.42 |
| 37 | 100 | | 0.12 | 7.85 | 497.0 | 9.98 | 22.3 | 0 | 0.02 | 0.02 | 13.2 | < LOQ | 0.222 | 75.00 |
| 38 | 33 | | 0.23 | 8.02 | 564.0 | 9.19 | 18.5 | 5 | 0.01 | 0.04 | 14.6 | < LOQ | < LOQ | 97.08 |
| 39 | 23 | | 0.43 | 8.09 | 561.0 | 9.53 | 18.1 | 5 | 0.00 | 0.06 | 15.0 | 0.430 | 0.864 | 79.00 |
| 40 | 7 | | 0.33 | 8.09 | 467.0 | 8.51 | 19.7 | 2 | 0.05 | 0.11 | 13.8 | < LOQ | 0.226 | 78.50 |
| 41 | 463 | | 0.00 | 8.27 | 823.0 | 13.6 | 19.8 | 100 | 1.64 | 0.13 | 25.4 | < LOQ | 0.338 | 64.20 |
| 42 | 13 | | 0.02 | 7.73 | 729.0 | 9.4 | 19.1 | 0 | 0.01 | 0.50 | 18.2 | < LOQ | 0.265 | 41.93 |
|  | |
| **Min.** | 7 | | 0 | 7.53 | 210.6 | 5.76 | 14 | 0 | 0 | 0 | 1.6 | 0.318 | 0.143 | 0 |
| **Max.** | 905 | | 0.49 | 9.76 | 1100 | 14.78 | 24.4 | 100 | 1.64 | 1.61 | 25.4 | 7.916 | 17.9 | 98.75 |
| **Mean** | 393.85 | | 0.16 | 8.19 | 462.26 | 10.01 | 19.35 | 7.12 | 0.11 | 0.20 | 12.02 | 1.80 | 1.57 | 76.91 |
| **SD** | 284.98 | | 0.15 | 0.40 | 180.87 | 1.95 | 2.75 | 16.34 | 0.29 | 0.28 | 5.24 | 2.05 | 3.09 | 26.74 |