|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| TWVFSite | ROV dive | T (°C) | Samplingyear | pH | Alk. | Fe2+[μM] | SO42- [mM] | NH4+[μM] | NO3+2[μM] | PO43- [μM] | Sample | Estimated Cell Count\* [g-1] | NReads | C | Sobs |
| Rift Margin  | 11ROV3 | 26 | 2011 | 7.21 |  | 7.45 | 28.4 | ND | 6.68 | 0.76 | 11ROV3a | 1.2×106 | 10800 | 0.930 | 1879 |
| 11ROV3b | 2.1×106 | 13031 | 0.944 | 2052 |
| 11ROV3c | 3.4×106 | 18060 | 0.903 | 1921 |
| 12ROV5 | 85 | 2012 | 7.00 | 2.55 |  |  |  |  | 0.20 | 12ROV5a | 6.8×106 | 50160 | 0.982 | 2085 |
| 12ROV5b | 6.1×106 | 24962 | 0.981 | 980 |
| 12ROV5c | 5.8×106 | 18925 | 0.995 | 2548 |
| Rift Valley | 11ROV6 | 5 | 2011 | 7.55 | 2.23 | 144 | 29.4 | 0.44 | ND | 0.12 | 11ROV6a | 3.1×106 | 8334 | 0.950 | 650 |
| 11ROV6b | 3.0×106 | 6334 | 0.948 | 854 |
| 12ROV9 | 2.5 | 2012 | 7.90 | 2.35 |  | 29.7 | 0.80 | 13.15 | 0.10 | 12ROV9a | 2.5×106 | 10514 | 0.952 | 1019 |
| 12ROV9b | 3.0×106 | 13095 | 0.952 | 947 |
| 12ROV9c | 3.0×106 | 11731 | 0.962 | 857 |
| 14ROV13 |  | 2014 | 7.95 | 2.33 |  |  | ND | 12.12 | 0.82 | 14ROV13a | 1.3×106 | 38955 | 0.967 | 1738 |
| 14ROV13b | 1.2×106 | 32217 | 0.961 | 2321 |
| Seawater | 11ROV11 |  | 2011 | 7.88 | 2.22 | ND | 29.6 | ND | 5.93 | 0.45 | 11ROV11 | 1.2×105 | 8907 | 0.976 | 450 |

\*Estimated as suggested by Button and Robertson, 2001.

Button, D. K. and B. R. Robertson (2001). "Determination of DNA Content of Aquatic Bacteria by Flow Cytometry." *Applied and Environmental Microbiology* **67**(4): 1636-1645.