**ANNEXURE 2: WATER QUALITY ANALYSIS**

**C. Exposure water physico-chemical parameters (means and SD) – Adult fish**

| TANK  No | Groups | Repeats | Temp  (°C) | SD | EC  (mS/L) | SD | TDS  (mg/L) | SD | pH | SD |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 7 | 1 | 1 | 26.67 | 0.13 | 203.78 | 7.33 | 97.06 | 3.62 | 7.95 | 0.30 |
| 8 | 1 | 1 | 26.88 | 0.15 | 215.28 | 12.26 | 102.44 | 5.83 | 7.85 | 0.39 |
| 23 | 1 | 1 | 27.20 | 0.45 | 184.15 | 3.08 | 87.54 | 1.51 | 7.70 | 0.00 |
| 24 | 1 | 1 | 27.05 | 0.41 | 191.38 | 4.70 | 90.85 | 1.86 | 7.65 | 0.07 |
| 39 | 1 | 2 | 28.05 | 0.34 | 207.33 | 11.93 | 99.22 | 4.24 | 7.38 | 0.41 |
| 40 | 1 | 2 | 28.03 | 0.41 | 211.14 | 16.91 | 100.71 | 10.70 | 7.25 | 0.45 |
| 42 | 1 | 2 | 27.84 | 0.45 | 225.31 | 4.89 | 107.46 | 2.47 | 7.72 | 0.24 |
| 43 | 1 | 2 | 27.63 | 0.47 | 222.62 | 3.48 | 105.69 | 2.36 | 7.82 | 0.22 |
| 9 | 2 | 1 | 26.73 | 0.13 | 205.78 | 4.05 | 98.28 | 1.90 | 7.70 | 0.51 |
| 10 | 2 | 1 | 26.71 | 0.16 | 223.15 | 10.87 | 120.15 | 13.42 | 7.28 | 0.39 |
| 25 | 2 | 1 | 27.25 | 0.42 | 209.23 | 19.09 | 99.62 | 9.14 | 7.00 | 0.28 |
| 26 | 2 | 1 | 28.00 | 0.37 | 220.80 | 5.25 | 104.10 | 3.41 | 7.28 | 0.39 |
| 41 | 2 | 2 | 28.07 | 0.40 | 220.75 | 11.06 | 106.88 | 8.56 | 7.28 | 0.43 |
| 44 | 2 | 2 | 27.87 | 0.43 | 225.92 | 8.55 | 109.15 | 6.23 | 7.60 | 0.07 |
| 45 | 2 | 2 | 27.75 | 0.48 | 228.23 | 4.87 | 112.38 | 6.50 | 7.53 | 0.09 |
| 1 | 3 | 1 | 26.75 | 0.21 | 202.11 | 6.69 | 96.11 | 3.27 | 7.95 | 0.30 |
| 2 | 3 | 1 | 26.66 | 0.19 | 203.11 | 3.95 | 96.61 | 1.69 | 7.95 | 0.30 |
| 3 | 3 | 1 | 26.74 | 0.15 | 200.89 | 4.00 | 95.56 | 1.95 | 7.95 | 0.30 |
| 4 | 3 | 1 | 26.73 | 0.17 | 204.89 | 3.97 | 97.50 | 1.89 | 7.95 | 0.30 |
| 5 | 3 | 1 | 26.77 | 0.15 | 197.67 | 3.24 | 94.17 | 1.54 | 7.90 | 0.27 |
| 6 | 3 | 1 | 26.74 | 0.17 | 203.44 | 5.80 | 96.94 | 2.90 | 7.93 | 0.32 |
| 17 | 3 | 2 | 27.28 | 0.49 | 200.77 | 12.54 | 95.08 | 5.57 | 6.95 | 0.21 |
| 18 | 3 | 2 | 27.18 | 0.45 | 199.77 | 11.97 | 94.69 | 5.25 | 6.85 | 0.07 |
| 19 | 3 | 2 | 27.02 | 0.44 | 199.38 | 9.27 | 94.85 | 4.54 | 7.10 | 0.14 |
| 20 | 3 | 2 | 27.15 | 0.44 | 200.85 | 11.44 | 95.15 | 4.96 | 6.95 | 0.07 |
| 21 | 3 | 2 | 27.18 | 0.43 | 194.77 | 9.29 | 92.62 | 4.59 | 7.00 | 0.14 |
| 22 | 3 | 2 | 27.12 | 0.40 | 197.15 | 8.85 | 93.85 | 4.12 | 7.15 | 0.21 |
| 11 | 4 | 1 | 26.68 | 0.17 | 222.69 | 9.40 | 111.31 | 7.23 | 7.50 | 0.35 |
| 12 | 4 | 1 | 26.74 | 0.16 | 199.00 | 8.75 | 94.69 | 4.31 | 7.38 | 0.40 |
| 13 | 4 | 1 | 26.82 | 0.15 | 200.62 | 8.83 | 95.54 | 4.22 | 6.95 | 1.18 |
| 14 | 4 | 1 | 26.85 | 0.40 | 209.92 | 3.80 | 99.92 | 1.80 | 7.46 | 0.41 |
| 15 | 4 | 1 | 26.75 | 0.20 | 202.46 | 7.10 | 96.31 | 3.38 | 7.36 | 0.43 |
| 16 | 4 | 1 | 27.54 | 0.17 | 213.08 | 6.14 | 101.54 | 3.02 | 7.01 | 0.12 |
| 33 | 4 | 2 | 28.17 | 0.40 | 219.33 | 9.49 | 108.56 | 8.23 | 7.41 | 0.37 |
| 34 | 4 | 2 | 28.04 | 0.40 | 209.86 | 11.51 | 102.71 | 8.34 | 7.30 | 0.42 |
| 35 | 4 | 2 | 27.81 | 0.29 | 219.00 | 13.99 | 107.75 | 10.69 | 7.29 | 0.46 |
| 36 | 4 | 2 | 28.03 | 0.49 | 218.83 | 10.98 | 108.33 | 11.00 | 7.35 | 0.38 |
| 37 | 4 | 2 | 27.93 | 0.32 | 220.75 | 15.42 | 106.50 | 8.60 | 7.37 | 0.47 |
| 38 | 4 | 2 | 27.90 | 0.40 | 220.17 | 15.74 | 105.33 | 7.58 | 7.33 | 0.45 |
| 27 | 5 | 1 | 27.88 | 0.44 | 217.00 | 10.32 | 101.67 | 6.83 | 7.50 | 0.35 |
| 28 | 5 | 1 | 28.20 | 0.35 | 219.00 | 9.14 | 103.89 | 6.07 | 7.38 | 0.40 |
| 29 | 5 | 1 | 28.09 | 0.55 | 222.38 | 14.70 | 104.88 | 8.64 | 6.95 | 1.18 |
| 30 | 5 | 1 | 28.20 | 0.35 | 216.50 | 7.65 | 102.20 | 5.03 | 7.46 | 0.41 |
| 31 | 5 | 1 | 28.06 | 0.46 | 214.14 | 12.59 | 100.57 | 5.59 | 7.36 | 0.43 |
| 32 | 5 | 1 | 27.92 | 0.34 | 223.11 | 14.96 | 105.33 | 8.50 | 7.01 | 1.12 |
| 46 | 5 | 2 | 27.75 | 0.47 | 222.31 | 6.99 | 109.38 | 8.09 | 7.46 | 0.15 |
| 47 | 5 | 2 | 27.82 | 0.36 | 226.92 | 9.02 | 111.69 | 8.72 | 7.30 | 0.29 |
| 48 | 5 | 2 | 27.78 | 0.39 | 227.31 | 7.38 | 109.54 | 6.06 | 7.40 | 0.15 |
| 49 | 5 | 2 | 27.80 | 0.39 | 225.46 | 4.70 | 117.31 | 4.03 | 7.40 | 0.14 |
| 50 | 5 | 2 | 27.69 | 0.39 | 227.54 | 8.11 | 122.15 | 5.83 | 7.33 | 0.21 |
| 51 | 5 | 2 | 27.60 | 0.40 | 227.85 | 5.70 | 114.00 | 6.07 | 7.37 | 0.16 |

**Groups:** 1 = control; 2 = solvent control; 3 = NVP L; 4 = NVP H; 5 = Mixture 1

Temp: temperature

EC: electric conductivity

TDS: total dissolved solids

SD: standard deviation