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| --- |
| Typical analysis of Melbourne’s waters Based on analyses between July 2011 and June 2016 |

| **Parameter / Source** | **Units** | **Cardinia** | **Greenvale** | **Silvan** | **Winneke** | **Tarago** | **Yan Yean** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **pH** | units | 7.2 - 7.7 | 7.2 - 8.8 | 7.0 - 7.7 | 7.0 - 7.5 | 6.7 - 7.5 | 7.3 - 9.4 |
| **Colour** | Pt/Co | 7 | 6 | 13 | 20 | 51 | 13 |
| **Turbidity** | NTU | 0.6 - 1.8 | 0.7 - 2.5 | 0.55 - 1.3 | 0.45 - 5.5 | 1.1 - 6.5 | 0.7 - 3.7 |
| **Specific Conductance** | uS/cm | 45 - 57 | 59 - 81 | 38 - 52 | 74 - 120 | 100 - 120 | 170 - 260 |
| **Iron** | mg/L | 0.06 | 0.08 | 0.07 | 0.16 | 0.52 | 0.13 |
| **Manganese** | mg/L | 0.003 | 0.003 | 0.005 | 0.006 | 0.039 | 0.007 |
| **Fluoride** | mg/L | 0.8 | 0.9 | 0.8 | 0.8 | 0.8 | 0.8 |
| **Aluminium (Acid Soluble)** | mg/L | 0.02 | 0.03 | 0.04 | 0.3 | 0.04 | 0.02 |
| **Arsenic** | mg/L | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 |
| **Boron** | mg/l | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| **Bromide** | mg/l | <0.05 | - | <0.05 | - | - | - |
| **Cadmium** | mg/L | <0.0005 | <0.0005 | <0.0005 | <0.0005 | <0.0005 | <0.0005 |
| **Calcium** | mg/L | 4.4 | 4.3 | 3.8 | 2.3 | 13.7 | 8.1 |
| **Chloride** | mg/L | 7.1 | 9.4 | 6.9 | 16.8 | 22.3 | 21.5 |
| **Chromium** | mg/L | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 |
| **Copper** | mg/L | <0.001 | 0.02 | 0.16 | <0.001 | <0.001 | 0.01 |
| **Cyanide** | mg/L | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 |
| **Haloacetic acids**  **- Chloroacetic acid** | mg/L | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 |
|  **- Dichloroacetic acid** | mg/L | 0.007 | 0.004 | 0.03 | 0.008 | 0.008 | 0.001 |
|  **- Trichloroacetic acid** | mg/L | 0.007 | 0.005 | 0.02 | 0.007 | 0.007 | 0.006 |
| **Hardness** | mg/L | 16 | 17 | 14.25 | 45 | 18 | 31 |
| **Lead** | mg/L | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 |
| **Magnesium** | mg/L | 1.4 | 1.6 | 1.2 | 2.6 | 2.6 | 2.6 |
| **Mercury** | mg/L | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 |
| **Nickel** | mg/L | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 |
| **Nitrate (N)** | mg/L | 7.4 | 0.13 | 0.23 | 0.38 | 0.32 | 0.05 |
| **Potassium** | mg/L | 0.7 | 0.8 | 0.7 | 1.4 | 2.3 | 1.4 |
| **Selenium** | mg/L | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 |
| **Silica as SIO2** | mg/L | 4.5 | 5.4 | 5.9 | 3.7 | 8.4 | 2.2 |
| **Sodium** | mg/L | 4.7 | 5.6 | 4.5 | 10 | 13 | 10.9 |
| **Sulphate** | mg/L | 0.4 | 0.7 | <2 | 11.3 | 16 | 13.25 |
| **Total Alkalinity (as CaC03)** | mg/L | 11.6 | 11.2 | 9.3 | 9.4 | 15.3 | 12.5 |
| **Total Organic Carbon** | mg/L | 2.2 | 2.0 | 2.1 | 3.2 | 5.4 | 6.4 |
| **Total Phosphorus** | mg/L | 0.007 | 0.007 | 0.007 | 0.008 | 0.004 | 0.009 |
| **Total Dissolved Solids** | mg/L | 39 | 42 | 34 | 20 | 69 | 82 |
| **Total Trihalomethanes** | mg/L | 0.032 | 0.018 | 0.022 | <0.001 | <0.001 | 0.046 |
| **Zinc** | mg/L | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |

Date issued: July 2016

Nominal values rounded to nearest decimal point