

Health Determinands

| Determinand | Risk | Unit | Minimum | Average | Maximum | SANS 241:2015 Limits |
|--|----------------|------------------|---------|----------------|---------|----------------------|
| <i>E. coli</i> or faecal coliforms | Acute health | Count per 100 mL | 0 | 0 [#] | 0 | Not detected |
| <i>Cryptosporidium</i> | Acute health | Count per 10 L | 0 | 0 [#] | 0 | Not detected |
| <i>Giardia</i> | Acute health | Count per 10 L | 0 | 0 [#] | 0 | Not detected |
| Nitrite as N | Acute health | mg/L | <0.10 | <0.10 | <0.10 | ≤ 0.9 |
| Nitrate as N | Acute health | mg/L | 0.76 | 0.76 | 0.76 | ≤ 11 |
| Combined Nitrate plus Nitrite ratio | Acute health | | 0.18 | 0.18 | 0.18 | ≤ 1 |
| Sulfate as SO ₄ ²⁻ | Acute health | mg/L | 6.44 | 6.44 | 6.44 | ≤ 500 |
| Cyanide (recoverable) as CN ⁻ | Acute health | µg/L | <25.00 | <25.00 | <25.00 | ≤ 200 |
| Free Chlorine | Chronic health | mg/L | 1.50 | 1.91 | 2.30 | ≤ 5 |
| Fluoride as F ⁻ | Chronic health | µg/L | <100.00 | <100.00 | <100.00 | ≤ 1500 |
| Antimony as Sb | Chronic health | µg/L | <2.00 | <2.00 | <2.00 | ≤ 20 |
| Arsenic as As | Chronic health | µg/L | <2.00 | <2.00 | <2.00 | ≤ 10 |
| Barium as Ba | Chronic health | µg/L | 28.00 | 28.00 | 28.00 | ≤ 700 |
| Boron as B | Chronic health | µg/L | <25.00 | <25.00 | <25.00 | ≤ 2400 |
| Cadmium as Cd | Chronic health | µg/L | <1.00 | <1.00 | <1.00 | ≤ 3 |
| Total chromium as Cr | Chronic health | µg/L | <5.00 | <5.00 | <5.00 | ≤ 50 |
| Copper as Cu | Chronic health | mg/L | <0.05 | <0.05 | <0.05 | ≤ 2 |
| Iron as Fe | Chronic health | mg/L | <0.02 | N/A | 0.02 | ≤ 2 |
| Lead as Pb | Chronic health | µg/L | <4.00 | <4.00 | <4.00 | ≤ 10 |
| Manganese as Mn | Chronic health | mg/L | <0.01 | <0.01 | <0.01 | ≤ 0.4 |
| Mercury as Hg | Chronic health | µg/L | <0.50 | <0.50 | <0.50 | ≤ 6 |
| Nickel as Ni | Chronic health | µg/L | <10.00 | <10.00 | <10.00 | ≤ 70 |
| Selenium as Se | Chronic health | µg/L | <2.00 | <2.00 | <2.00 | ≤ 40 |
| Uranium as U | Chronic health | µg/L | <1.00 | <1.00 | <1.00 | ≤ 30 |
| Total organic carbon as C | Chronic health | mg/L | 5.40 | 5.40 | 5.40 | ≤ 10 |
| Chloroform | Chronic health | µg/L | <10.00 | <10.00 | <10.00 | ≤ 300 |
| Bromoform | Chronic health | µg/L | <10.00 | <10.00 | <10.00 | ≤ 100 |
| Dibromochloromethane | Chronic health | µg/L | <10.00 | <10.00 | <10.00 | ≤ 100 |
| Bromodichloromethane | Chronic health | µg/L | <10.00 | <10.00 | <10.00 | ≤ 60 |
| Combined trihalomethane ratio | Chronic health | | <0.40 | <0.40 | <0.40 | ≤ 1 |

Aesthetic Determinands

| Determinand | Risk | Unit | Minimum | Average | Maximum | SANS 241:2015 Limits |
|--|-----------|------------|---------|---------|---------|----------------------|
| Colour | Aesthetic | mg/L Pt-Co | <1.00 | N/A | 3.80 | ≤ 15 |
| Conductivity at 25 °C | Aesthetic | mS/m | 18.10 | 19.45 | 20.80 | ≤ 170 |
| Total dissolved solids | Aesthetic | mg/L | 139.00 | 139.00 | 139.00 | ≤ 1200 |
| Turbidity | Aesthetic | NTU | 0.20 | 0.25 | 0.50 | ≤ 5 |
| Sulfate as SO ₄ ²⁻ | Aesthetic | mg/L | 6.44 | 6.44 | 6.44 | ≤ 250 |
| Chloride as Cl ⁻ | Aesthetic | mg/L | 28.30 | 28.30 | 28.30 | ≤ 300 |
| Sodium as Na | Aesthetic | mg/L | 17.00 | 17.00 | 17.00 | ≤ 200 |
| Zinc as Zn | Aesthetic | mg/L | <0.03 | <0.03 | <0.03 | ≤ 5 |
| Iron as Fe | Aesthetic | mg/L | <0.02 | N/A | 0.02 | ≤ 0.3 |
| Manganese as Mn | Aesthetic | mg/L | <0.01 | <0.01 | <0.01 | ≤ 0.1 |
| Phenols | Aesthetic | µg/L | <10.00 | <10.00 | <10.00 | ≤ 10 |
| Hardness | Aesthetic | mg/L | <43.00 | <43.00 | <43.00 | |

Operational Determinands

| Determinand | Risk | Unit | Minimum | Average | Maximum | SANS 241:2015 Limits or UW Internal Operating Limit* |
|---------------------------|-------------|------------------|---------|----------------|---------|--|
| Total coliforms | Operational | Count per 100 mL | 0 | 0 [#] | 0 | ≤ 10 |
| Heterotrophic plate count | Operational | Count per mL | 0 | 0 [#] | 2 | ≤ 1000 |
| Somatic coliphages | Operational | Count per 10 mL | 0 | 0 [#] | 0 | Not detected |
| Turbidity | Operational | NTU | 0.20 | 0.25 | 0.50 | ≤ 1 |
| pH at 25° C | Operational | pH units | 7.5 | N/A | 8.2 | ≥ 7.5 to ≤ 9.0* |
| Aluminium as Al | Operational | µg/L | <25.00 | N/A | 62.90 | ≤ 300 |
| Free chlorine | Operational | mg/L | 1.50 | 1.91 | 2.30 | 1.5 - 2.5* |
| Total chlorine | Operational | mg/L | 1.80 | 2.19 | 2.64 | |

Value represents the median

When only one sample taken within date range, minimum = average = maximum.

N/A cannot be calculated since some results are below detection limit.