



User: Ronny Chiang  
Analysis ID: 103102

Tank ID: 41808

Date: 21.01.2021

| Measurement         | Value     | Nominal value |
|---------------------|-----------|---------------|
| Carbonate hardness: | 9.51 °dKH | 7.5 °dKH      |
| Salinity:           | 35.35 PSU | 35 PSU        |

| Base elements      | Value     | Ideal value | Difference | Status |
|--------------------|-----------|-------------|------------|--------|
| Salinity (NaCl)    | 35.35 PSU | 35.00 PSU   | +0.35 PSU  | ✓      |
| Carbonate hardness | 9.51 °dKH | 7.50 °dKH   | +2.01 °dKH | ⚠      |

| Major elements | Value      | Ideal value | Difference  | Status |
|----------------|------------|-------------|-------------|--------|
| Chloride       | 20101 mg/l | 19998 mg/l  | +103.2 mg/l | ✓      |
| Sodium         | 11052 mg/l | 11110 mg/l  | -57.90 mg/l | ✓      |
| Magnesium      | 1358 mg/l  | 1328 mg/l   | +29.87 mg/l | ✓      |
| Sulfur         | 930.5 mg/l | 929.2 mg/l  | +1.31 mg/l  | ✓      |
| Calcium        | 434.8 mg/l | 425.2 mg/l  | +9.60 mg/l  | ✓      |
| Potassium      | 409.4 mg/l | 412.1 mg/l  | -2.68 mg/l  | ✓      |
| Bromine        | 72.58 mg/l | 67.67 mg/l  | +4.91 mg/l  | ✓      |
| Strontium      | 8.23 mg/l  | 8.08 mg/l   | +0.15 mg/l  | ✓      |
| Boron          | 4.75 mg/l  | 4.44 mg/l   | +0.31 mg/l  | ✓      |
| Fluorine       | 1.26 mg/l  | 1.31 mg/l   | -0.05 mg/l  | ✓      |

| Minor elements | Value      | Ideal value | Difference  | Status |
|----------------|------------|-------------|-------------|--------|
| Lithium        | 193.5 µg/l | 171.7 µg/l  | +21.80 µg/l | ✓      |
| Silicon        | 382.3 µg/l | 101.0 µg/l  | +281.3 µg/l | ⚠      |
| Iodine         | 13.86 µg/l | 65.65 µg/l  | -51.79 µg/l | ↓      |
| Barium         | 20.00 µg/l | 10.10 µg/l  | +9.90 µg/l  | ✓      |



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| Molybdenum | 4.45 µg/l  | 12.12 µg/l  | -7.67 µg/l  | ✖      |
|------------|------------|-------------|-------------|--------|
| Nickel     | n.u        | 0.50 µg/l   |             | ✓      |
| Manganese  | n.u        | 1.01 µg/l   |             | ✖      |
| Arsenic    | n.u        | 1.51 µg/l   |             | ✓      |
| Beryllium  | n.u        | 0.10 µg/l   |             | ✓      |
| Chrome     | n.u        | 0.50 µg/l   |             | ✓      |
| Cobalt     | n.u        | 0.10 µg/l   |             | ✓      |
| Iron       | n.u        | 0.50 µg/l   |             | ✓      |
| Copper     | n.u        | 0.50 µg/l   |             | ✓      |
| Selenium   | n.u        | 0.50 µg/l   |             | ✓      |
| Silver     | n.u        | 0.10 µg/l   |             | ✓      |
| Vanadium   | 0.62 µg/l  | 1.51 µg/l   | -0.89 µg/l  | ✖      |
| Zinc       | 3.22 µg/l  | 2.02 µg/l   | +1.20 µg/l  | ✓      |
| Tin        | 12.93 µg/l | 0.50 µg/l   | +12.43 µg/l | ✖      |
| Nutrients  | Value      | Ideal value | Difference  | Status |
| Nitrate    | 8.64 mg/l  | 2.00 mg/l   | +6.64 mg/l  | ✓      |
| Phosphorus | 6.91 µg/l  | 15.15 µg/l  | -8.24 µg/l  | ✖      |
| Phosphate  | 0.02 mg/l  | 0.05 mg/l   | -0.03 mg/l  | ✖      |
| Pollutants | Value      | Ideal value | Difference  | Status |
| Aluminium  | 60.45 µg/l | 0.10 µg/l   | +60.35 µg/l | ✖      |
| Antimony   | n.u        | 0.10 µg/l   |             | ✓      |
| Bismuth    | n.u        | 0.10 µg/l   |             | ✓      |



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|           |     |           |   |
|-----------|-----|-----------|---|
| Lead      | n.u | 0.10 µg/l | ✓ |
| Cadmium   | n.u | 0.20 µg/l | ✓ |
| Lanthanum | n.u | n.u µg/l  | ✓ |
| Thallium  | n.u | 0.10 µg/l | ✓ |
| Titanium  | n.u | 0.10 µg/l | ✓ |
| Tungsten  | n.u | n.u µg/l  | ✓ |
| Mercury   | n.u | n.u µg/l  | ✓ |



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**Recommendations:**

| Supplement | Priority           | Action | Daily dosis | Unit | Days |
|------------|--------------------|--------|-------------|------|------|
| Molybdän   | Recommended Dosage |        | 1,00        | ml   | 2    |
| Vanadium   | Recommended Dosage |        | 0,20        | ml   | 1    |
| Mangan     | Recommended Dosage |        | 0,30        | ml   | 1    |
| Iod        | Important          | Dosage | 0,10        | ml   | 3    |

Additional action:

We recommend a KH of 7 - 9 °dKH