



User: Steve Hillmann
Analysis ID: 187943

Tank ID: 65619

Date: 19.08.2022

| Base elements | Value | Ideal value | Difference | Status |
|---------------|-----------|-------------|------------|--------|
| Salinity | 32.22 PSU | 35.00 PSU | -2.78 PSU | ✓ |

| | | | | |
|--------------------|-----------|-----------|------------|---|
| Carbonate hardness | 8.08 °dKH | 7.50 °dKH | +0.58 °dKH | ✓ |
|--------------------|-----------|-----------|------------|---|

| Major elements | Value | Ideal value | Difference | Status |
|----------------|------------|-------------|-------------|--------|
| Chloride | 18259 mg/l | 17883 mg/l | +375.7 mg/l | ✓ |

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|--------|-----------|-----------|--------------|---|
| Sodium | 9727 mg/l | 9935 mg/l | -208.16 mg/l | ✓ |
|--------|-----------|-----------|--------------|---|

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|-----------|-----------|-----------|-------------|---|
| Magnesium | 1360 mg/l | 1188 mg/l | +172.3 mg/l | ✗ |
|-----------|-----------|-----------|-------------|---|

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|--------|------------|------------|-------------|---|
| Sulfur | 873.0 mg/l | 830.9 mg/l | +42.06 mg/l | ✓ |
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|---------|------------|------------|-------------|---|
| Calcium | 485.7 mg/l | 380.2 mg/l | +105.5 mg/l | ↑ |
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|-----------|------------|------------|------------|---|
| Potassium | 362.7 mg/l | 368.5 mg/l | -5.80 mg/l | ✓ |
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|---------|------------|------------|-------------|---|
| Bromine | 92.52 mg/l | 60.51 mg/l | +32.01 mg/l | ↑ |
|---------|------------|------------|-------------|---|

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|-----------|------------|-----------|------------|---|
| Strontium | 10.55 mg/l | 7.23 mg/l | +3.32 mg/l | ✗ |
|-----------|------------|-----------|------------|---|

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|-------|-----------|-----------|------------|---|
| Boron | 5.30 mg/l | 3.97 mg/l | +1.33 mg/l | ✓ |
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|----------|-----------|-----------|------------|---|
| Fluorine | 0.71 mg/l | 1.17 mg/l | -0.46 mg/l | ✓ |
|----------|-----------|-----------|------------|---|

| Minor elements | Value | Ideal value | Difference | Status |
|----------------|------------|-------------|-------------|--------|
| Lithium | 552.6 µg/l | 153.5 µg/l | +399.1 µg/l | ✗ |

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|---------|------------|------------|-------------|---|
| Silicon | 263.3 µg/l | 90.32 µg/l | +173.0 µg/l | ✓ |
|---------|------------|------------|-------------|---|

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|--------|------------|------------|-------------|---|
| Iodine | 20.35 µg/l | 58.71 µg/l | -38.36 µg/l | ↓ |
|--------|------------|------------|-------------|---|

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|--------|------------|-----------|-------------|---|
| Barium | 27.82 µg/l | 9.03 µg/l | +18.79 µg/l | ✓ |
|--------|------------|-----------|-------------|---|

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|------------|-----------|------------|------------|---|
| Molybdenum | 5.54 µg/l | 10.84 µg/l | -5.30 µg/l | ✓ |
|------------|-----------|------------|------------|---|

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|--------|-----|-----------|--|---|
| Nickel | n.u | 0.45 µg/l | | ✓ |
|--------|-----|-----------|--|---|



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| | | | | |
|-----------|-----------|-----------|------------|--|
| Manganese | n.u | 0.90 µg/l | | |
| Arsenic | n.u | 1.35 µg/l | | |
| Beryllium | n.u | 0.09 µg/l | | |
| Chrome | n.u | 0.45 µg/l | | |
| Cobalt | n.u | 0.09 µg/l | | |
| Iron | n.u | 0.45 µg/l | | |
| Copper | n.u | 0.45 µg/l | | |
| Selenium | n.u | 0.45 µg/l | | |
| Silver | n.u | 0.09 µg/l | | |
| Vanadium | 1.59 µg/l | 1.35 µg/l | +0.24 µg/l | |
| Zinc | 6.16 µg/l | 1.81 µg/l | +4.35 µg/l | |
| Tin | n.u | 0.45 µg/l | | |

| Nutrients | Value | Ideal value | Difference | Status |
|------------|------------|-------------|-------------|--------|
| Nitrate | 23.19 mg/l | 2.00 mg/l | +21.19 mg/l | |
| Phosphorus | 44.92 µg/l | 13.55 µg/l | +31.37 µg/l | |
| Phosphate | 0.14 mg/l | 0.04 mg/l | +0.10 mg/l | |

| Pollutants | Value | Ideal value | Difference | Status |
|------------|------------|-------------|-------------|--------|
| Aluminium | 67.16 µg/l | 0.09 µg/l | +67.07 µg/l | |
| Antimony | n.u | 0.09 µg/l | | |
| Bismuth | n.u | 0.09 µg/l | | |
| Lead | n.u | 0.09 µg/l | | |
| Cadmium | n.u | 0.18 µg/l | | |



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| | | | |
|-----------|-----|-----------|---|
| Lanthanum | n.u | n.u µg/l | ✓ |
| Thallium | n.u | 0.09 µg/l | ✓ |
| Titanium | n.u | 0.09 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 |
|------------|--------------------|--------|-------------|------|------|
| Mangan | Recommended Dosage | | 1,70 | ml | 1 |

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|-----|-----------|--------|------|----|---|
| Iod | Important | Dosage | 0,70 | ml | 2 |
|-----|-----------|--------|------|----|---|

Additional action: change 3 x 20 % of water with natural seawater or "Absolute Ocean"
(weekly cycle)