



User: Brent Randolph Swanson  
Analysis ID: 121627

Tank ID: 47707

Date: 28.05.2021

Base elements	Value	Ideal value	Difference	Status
Salinity	35.45 PSU	35.00 PSU	+0.45 PSU	✓

Carbonate hardness	9.61 °dKH	7.50 °dKH	+2.11 °dKH	✗
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Major elements	Value	Ideal value	Difference	Status
Chloride	20605 mg/l	19681 mg/l	+924.5 mg/l	✓

Sodium	10420 mg/l	10934 mg/l	-513.60 mg/l	✓
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Magnesium	1522 mg/l	1307 mg/l	+214.9 mg/l	✗
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Sulfur	889.2 mg/l	914.4 mg/l	-25.25 mg/l	✓
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Calcium	559.0 mg/l	418.5 mg/l	+140.5 mg/l	↑
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Potassium	404.4 mg/l	405.5 mg/l	-1.14 mg/l	✓
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Bromine	112.1 mg/l	66.60 mg/l	+45.50 mg/l	↑
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Strontium	13.55 mg/l	7.95 mg/l	+5.60 mg/l	✗
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Boron	6.07 mg/l	4.37 mg/l	+1.70 mg/l	✗
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Fluorine	1.42 mg/l	1.29 mg/l	+0.13 mg/l	✓
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Minor elements	Value	Ideal value	Difference	Status
Lithium	428.6 µg/l	169.0 µg/l	+259.6 µg/l	✓

Silicon	265.9 µg/l	99.40 µg/l	+166.5 µg/l	✓
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Iodine	191.4 µg/l	64.61 µg/l	+126.8 µg/l	↑
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Barium	74.22 µg/l	9.94 µg/l	+64.28 µg/l	✗
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Molybdenum	3.28 µg/l	11.93 µg/l	-8.65 µg/l	✗
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Nickel	3.35 µg/l	0.50 µg/l	+2.85 µg/l	✓
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Manganese	9.64 µg/l	0.99 µg/l	+8.65 µg/l	✖
Arsenic	n.u	1.49 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	n.u	1.49 µg/l		✖
Zinc	n.u	1.99 µg/l		✖
Tin	n.u	0.50 µg/l		✓

Nutrients	Value	Ideal value	Difference	Status
Nitrate	n.u	2.00 mg/l		✖
Phosphorus	n.u	14.91 µg/l		↓
Phosphate	n.u	0.04 mg/l		↓

Pollutants	Value	Ideal value	Difference	Status
Aluminium	n.u	0.10 µg/l		✓
Antimony	n.u	0.10 µg/l		✓
Bismuth	n.u	0.10 µg/l		✓
Lead	n.u	0.10 µg/l		✓
Cadmium	n.u	0.20 µg/l		✓



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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		0,20	ml	2
Vanadium	Recommended Dosage		0,00	ml	2
Zink	Recommended Dosage		0,10	ml	1

Additional action: We recommend a KH of 7 - 9 °dKH

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

Additional action: use carbon (50 g/ 100 l))