



User: Jason M Downs  
Analysis ID: 30167

Tank ID: 14207

Date: 11.12.2018

Measurement	Value	Nominal value
Carbonate hardness:	10 °dKH	7.5 °dKH

Salinity:	32.19 PSU	35 PSU
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Base elements	Value	Ideal value	Difference	Status
Salinity (NaCl)	32.19 PSU	35.00 PSU	-2.81 PSU	✓

Carbonate hardness	10.00 °dKH	7.50 °dKH	+2.50 °dKH	✗
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Major elements	Value	Ideal value	Difference	Status
Chloride	18220 mg/l	18208 mg/l	+11.80 mg/l	✓

Sodium	10109 mg/l	10116 mg/l	-6.60 mg/l	✓
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Magnesium	1487 mg/l	1209 mg/l	+277.7 mg/l	✗
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Sulfur	1045 mg/l	846.0 mg/l	+199.0 mg/l	↑
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Calcium	223.8 mg/l	387.2 mg/l	-163.35 mg/l	↓
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Potassium	355.0 mg/l	375.2 mg/l	-20.20 mg/l	✓
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Bromine	73.66 mg/l	61.61 mg/l	+12.05 mg/l	✓
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Strontium	4.40 mg/l	7.36 mg/l	-2.96 mg/l	✗
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Boron	4.27 mg/l	4.05 mg/l	+0.22 mg/l	✓
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Fluorid	0.37 mg/l	1.20 mg/l	-0.83 mg/l	✗
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Minor elements	Value	Ideal value	Difference	Status
Lithium	272.5 µg/l	156.3 µg/l	+116.2 µg/l	✓

Silicon	121.5 µg/l	91.96 µg/l	+29.54 µg/l	✓
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Iodine	17.41 µg/l	59.77 µg/l	-42.36 µg/l	↓
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Barium	1.50 µg/l	9.20 µg/l	-7.70 µg/l	↓
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Molybdenum	2.41 µg/l	11.04 µg/l	-8.63 µg/l	↓
Nickel	n.u	0.46 µg/l		✓
Manganese	n.u	0.92 µg/l		✗
Arsenic	n.u	1.38 µg/l		✓
Beryllium	n.u	0.09 µg/l		✓
Chrome	n.u	0.46 µg/l		✓
Cobalt	n.u	0.09 µg/l		✓
Iron	n.u	0.46 µg/l		✓
Copper	n.u	0.46 µg/l		✓
Selenium	n.u	0.46 µg/l		✓
Silver	n.u	0.09 µg/l		✓
Vanadium	n.u	1.38 µg/l		✗
Zinc	n.u	1.84 µg/l		✓
Tin	n.u	0.46 µg/l		✓

Nutrients	Value	Ideal value	Difference	Status
Nitrate	0.01 mg/l	2.00 mg/l	-1.99 mg/l	✗
Phosphorus	3.89 µg/l	13.79 µg/l	-9.90 µg/l	↓
Phosphate	0.01 mg/l	0.04 mg/l	-0.03 mg/l	↓
Pollutants	Value	Ideal value	Difference	Status
Aluminium	0.35 µg/l	0.09 µg/l	+0.26 µg/l	✓
Antimony	n.u	0.09 µg/l		✓
Bismuth	n.u	0.09 µg/l		✓



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Lead	n.u	0.09 µg/l	✓
Cadmium	n.u	0.18 µg/l	✓
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
Strontium	Recommended Dosage		4,40	ml	2
Calcium	Important	Dosage	2,60	ml	9
Fluor	Recommended Dosage		3,00	ml	4
Molybdän	Recommended Dosage		0,60	ml	2
Vanadium	Recommended Dosage		0,10	ml	2
Mangan	Recommended Dosage		0,10	ml	1
Iod	Important	Dosage	0,00	ml	3
Barium	Recommended Dosage		1,10	ml	2

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)

**ATI RECOMMENDES    Adjust calcium dosage. Phosphorus might be limited, remove GFO (if  
in use), add phosphorus!**