



User: Sean Brown
Analysis ID: 60285

Tank ID: 21741

Date: 03.12.2019

Measurement	Value	Nominal value
Carbonate hardness:	7.86 °dKH	7.5 °dKH

Salinity: 32.24 PSU 35 PSU

Base elements	Value	Ideal value	Difference	Status
Salinity (NaCl)	32.24 PSU	35.00 PSU	-2.76 PSU	✓
Carbonate hardness	7.86 °dKH	7.50 °dKH	+0.36 °dKH	✓

Major elements	Value	Ideal value	Difference	Status
Chloride	18685 mg/l	18241 mg/l	+443.8 mg/l	✓
Sodium	9887 mg/l	10134 mg/l	-247.00 mg/l	✓
Magnesium	1338 mg/l	1211 mg/l	+126.5 mg/l	✓
Sulfur	914.7 mg/l	847.6 mg/l	+67.13 mg/l	✓
Calcium	445.2 mg/l	387.9 mg/l	+57.34 mg/l	✗
Potassium	376.4 mg/l	375.9 mg/l	+0.52 mg/l	✓
Bromine	76.84 mg/l	61.73 mg/l	+15.11 mg/l	✓
Strontium	8.42 mg/l	7.37 mg/l	+1.05 mg/l	✓
Boron	4.29 mg/l	4.05 mg/l	+0.24 mg/l	✓
Fluorine	0.38 mg/l	1.20 mg/l	-0.82 mg/l	✗

Minor elements	Value	Ideal value	Difference	Status
Lithium	201.5 µg/l	156.6 µg/l	+44.88 µg/l	✓
Silicon	297.3 µg/l	92.13 µg/l	+205.2 µg/l	✗
Iodine	35.72 µg/l	59.88 µg/l	-24.16 µg/l	✗
Barium	13.37 µg/l	9.21 µg/l	+4.16 µg/l	✓



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Molybdenum	18.64 µg/l	11.06 µg/l	+7.58 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	22.60 µg/l	0.46 µg/l	+22.14 µg/l	↑
Nutrients	Value	Ideal value	Difference	Status
Nitrate	3.81 mg/l	2.00 mg/l	+1.81 mg/l	✓
Phosphorus	1.76 µg/l	13.82 µg/l	-12.06 µg/l	↓
Phosphate	0.01 mg/l	0.04 mg/l	-0.03 mg/l	↓
Pollutants	Value	Ideal value	Difference	Status
Aluminium	85.97 µg/l	0.09 µg/l	+85.88 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
Fluor	Recommended Dosage		4,10	ml	4
Vanadium	Recommended Dosage		0,10	ml	2
Mangan	Recommended Dosage		0,20	ml	1
Iod	Important	Dosage	0,00	ml	2

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

ATI RECOMMENDES Tin is critically elevated, find source (corroding metals/magnets, RO water, salt). Phosphorus might be limited, remove GFO (if in use),
add phosphorus!