User: Mark Beattie
Analysis ID: 34922

Tank ID: 12804

Date: 13.02.2019

Measurement	Value	Nominal value
Carbonate hardness:	7.3 °dKH	7.5 °dKH
Salinity:	34.94 PSU	35 PSU

Base elements	Value	Ideal value	Difference	Status
Salinity (NaCl)	34.94 PSU	35.00 PSU	-0.06 PSU	✓
Carbonate hardness	7.30 °dKH	7.50 °dKH	-0.20 °dKH	✓

Major elements	Value	Ideal value	Difference	Status
Chloride	20341 mg/l	19767 mg/l	+574.0 mg/l	✓
Sodium	10663 mg/l	10982 mg/l	-318.70 mg/l	✓
Magnesium	1439 mg/l	1313 mg/l	+126.2 mg/l	✓
Sulfur	915.9 mg/l	918.5 mg/l	-2.57 mg/l	✓
Calcium	474.0 mg/l	420.3 mg/l	+53.70 mg/l	↗
Potassium	429.2 mg/l	407.3 mg/l	+21.88 mg/l	✓
Bromine	51.06 mg/l	66.89 mg/l	-15.83 mg/l	✓
Strontium	10.56 mg/l	7.99 mg/l	+2.57 mg/l	↗
Boron	4.96 mg/l	4.39 mg/l	+0.57 mg/l	✓
Fluorine	1.14 mg/l	1.30 mg/l	-0.16 mg/l	✓

Minor elements	Value	Ideal value	Difference	Status
Lithium	130.6 µg/l	169.7 µg/l	-39.12 µg/l	✓
Silicon	82.06 µg/l	99.83 µg/l	-17.77 µg/l	✓
Iodine	12.65 µg/l	64.89 µg/l	-52.24 µg/l	↓
Barium	73.20 µg/l	9.98 µg/l	+63.22 µg/l	↗

Molybdenum	33.94 µg/l	11.98 µg/l	+21.96 µg/l	
Nickel	1.92 µg/l	0.50 µg/l	+1.42 µg/l	
Manganese	n.u	1.00 µg/l		
Arsenic	n.u	1.50 µg/l		
Beryllium	n.u	0.10 µg/l		
Chrome	n.u	0.50 µg/l		
Cobalt	n.u	0.10 µg/l		
Iron	1.61 µg/l	0.50 µg/l	+1.11 µg/l	
Copper	23.77 µg/l	0.50 µg/l	+23.27 µg/l	
Selenium	n.u	0.50 µg/l		
Silver	n.u	0.10 µg/l		
Vanadium	0.50 µg/l	1.50 µg/l	-1.00 µg/l	
Zinc	29.97 µg/l	2.00 µg/l	+27.97 µg/l	
Tin	3.92 µg/l	0.50 µg/l	+3.42 µg/l	

Nutrients	Value	Ideal value	Difference	Status
Nitrate	120.3 mg/l	2.00 mg/l	+118.3 mg/l	
Phosphorus	17.59 µg/l	14.97 µg/l	+2.61 µg/l	
Phosphate	0.05 mg/l	0.04 mg/l	+0.01 mg/l	

Pollutants	Value	Ideal value	Difference	Status
Aluminium	8.05 µg/l	0.10 µg/l	+7.95 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	17.62 µg/l	n.u µg/l	+17.62 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
Vanadium	Recommended	Dosage	1,80	ml	1
Mangan	Recommended	Dosage	1,80	ml	1
Iod	Important	Dosage	0,60	ml	3

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

ATI RECOMMENDES **Trace metals are critically elevated, find source (corroding metals/magnets, RO water, salt). Adjust iodine dosage. NO3 is high. Optimize filtration.**