User: Matthew Knowles
Analysis ID: 35312

Tank ID: 17903

Date: 18.02.2019

Measurement	Value	Nominal value
Carbonate hardness:	5.61 °dKH	7.5 °dKH
Salinity:	35.07 PSU	35 PSU

Base elements	Value	Ideal value	Difference	Status
Salinity (NaCl)	35.07 PSU	35.00 PSU	+0.07 PSU	✓
Carbonate hardness	5.61 °dKH	7.50 °dKH	-1.89 °dKH	↓

Major elements	Value	Ideal value	Difference	Status
Chloride	20126 mg/l	19838 mg/l	+288.2 mg/l	✓
Sodium	10861 mg/l	11021 mg/l	-160.00 mg/l	✓
Magnesium	1368 mg/l	1318 mg/l	+50.49 mg/l	✓
Sulfur	908.4 mg/l	921.8 mg/l	-13.36 mg/l	✓
Calcium	442.4 mg/l	421.8 mg/l	+20.60 mg/l	✓
Potassium	427.9 mg/l	408.8 mg/l	+19.12 mg/l	✓
Bromine	63.85 mg/l	67.13 mg/l	-3.28 mg/l	✓
Strontium	5.10 mg/l	8.02 mg/l	-2.92 mg/l	↓
Boron	9.39 mg/l	4.41 mg/l	+4.98 mg/l	↑
Fluorine	1.79 mg/l	1.30 mg/l	+0.49 mg/l	✓

Minor elements	Value	Ideal value	Difference	Status
Lithium	192.6 µg/l	170.3 µg/l	+22.27 µg/l	✓
Silicon	103.5 µg/l	100.2 µg/l	+3.31 µg/l	✓
Iodine	32.15 µg/l	65.12 µg/l	-32.97 µg/l	↓
Barium	7.78 µg/l	10.02 µg/l	-2.24 µg/l	✓

Molybdenum	39.33 µg/l	12.02 µg/l	+27.31 µg/l	
Nickel	2.04 µg/l	0.50 µg/l	+1.54 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	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	1.01 µg/l	1.50 µg/l	-0.49 µg/l	
Zinc	15.90 µg/l	2.00 µg/l	+13.90 µg/l	
Tin	n.u	0.50 µg/l		

Nutrients	Value	Ideal value	Difference	Status
Nitrate	3.87 mg/l	2.00 mg/l	+1.87 mg/l	
Phosphorus	195.9 µg/l	15.03 µg/l	+180.9 µg/l	
Phosphate	0.60 mg/l	0.05 mg/l	+0.55 mg/l	

Pollutants	Value	Ideal value	Difference	Status
Aluminium	10.89 µg/l	0.10 µg/l	+10.79 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	✔
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
Strontium	Recommended	Dosage	96,80	ml	2
Mangan	Recommended	Dosage	3,30	ml	1
Iod	Important	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 **Zinc is elevated, find source (corroding metals/magnets, RO-water, salt). PO4 is high, use remover.**