User: Jake Bernstein
Analysis ID: 14140

Tank ID: 8292

Date: 06.03.2018

Measurement	Value	Nominal value
Carbonate hardness:	8 °dKH	7.5 °dKH
Salinity:	29.85 PSU	35 PSU

Base elements	Value	Ideal value	Difference	Status
Salinity (NaCl)	29.85 PSU	35.00 PSU	-5.15 PSU	
Carbonate hardness	8.00 °dKH	7.50 °dKH	+0.50 °dKH	

Major elements	Value	Ideal value	Difference	Status
Chloride	17780 mg/l	16884 mg/l	+895.7 mg/l	
Sodium	8883 mg/l	9380 mg/l	-497.17 mg/l	
Magnesium	1577 mg/l	1121 mg/l	+455.6 mg/l	
Sulfur	889.9 mg/l	784.5 mg/l	+105.4 mg/l	
Calcium	479.3 mg/l	359.0 mg/l	+120.3 mg/l	
Potassium	370.4 mg/l	347.9 mg/l	+22.48 mg/l	
Bromine	23.76 mg/l	57.13 mg/l	-33.37 mg/l	
Strontium	7.54 mg/l	6.82 mg/l	+0.72 mg/l	
Boron	4.45 mg/l	3.75 mg/l	+0.70 mg/l	
Fluorid	1.54 mg/l	1.11 mg/l	+0.43 mg/l	

Minor elements	Value	Ideal value	Difference	Status
Lithium	105.2 µg/l	145.0 µg/l	-39.77 µg/l	
Silicon	n.u	85.27 µg/l		
Iodine	13.38 µg/l	55.43 µg/l	-42.05 µg/l	
Barium	15.19 µg/l	8.53 µg/l	+6.66 µg/l	

Molybdenum	16.76 µg/l	10.23 µg/l	+6.53 µg/l	✔
Nickel	0.75 µg/l	0.43 µg/l	+0.32 µg/l	✔
Manganese	n.u	0.43 µg/l		✔
Arsenic	n.u	1.28 µg/l		✔
Beryllium	n.u	0.09 µg/l		✔
Chrome	n.u	0.43 µg/l		✔
Cobalt	n.u	0.09 µg/l		✔
Iron	n.u	0.43 µg/l		✔
Copper	n.u	0.43 µg/l		✔
Selenium	n.u	0.43 µg/l		✔
Silver	n.u	0.09 µg/l		✔
Vanadium	0.61 µg/l	1.28 µg/l	-0.67 µg/l	✔
Zinc	0.27 µg/l	1.71 µg/l	-1.44 µg/l	✔
Tin	n.u	0.43 µg/l		✔

Nutrients	Value	Ideal value	Difference	Status
Nitrate	1.11 mg/l	2.00 mg/l	-0.89 mg/l	✔
Phosphorus	7.89 µg/l	6.82 µg/l	+1.07 µg/l	✔
Phosphate	0.02 mg/l	0.02 mg/l	+0.00 mg/l	✔

Pollutants	Value	Ideal value	Difference	Status
Aluminium	28.52 µg/l	0.09 µg/l	+28.43 µg/l	✔
Antimony	n.u	0.09 µg/l		✔
Bismuth	n.u	0.09 µg/l		✔

Lead	n.u	0.09 µg/l	✔
Cadmium	n.u	0.17 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
Brom	Recommended	Dosage	4,20	ml	4
Iod	Important	Dosage	0,00	ml	3

Additional action: We recommend a salinity of 32 - 37 PSU

Additional action: change 3 x 20 % of water (weekly cycle)

ATI RECOMMENDES **Adjust calcium and iodine dosage.**