User: Mike Tavis
Analysis ID: 24690

Tank ID: 13236

Date: 01.10.2018

Measurement	Value	Nominal value
Carbonate hardness:	7.88 °dKH	7.5 °dKH
Salinity:	35.35 PSU	35 PSU

Base elements	Value	Ideal value	Difference	Status
Salinity (NaCl)	35.35 PSU	35.00 PSU	+0.35 PSU	✓
Carbonate hardness	7.88 °dKH	7.50 °dKH	+0.38 °dKH	✓

Major elements	Value	Ideal value	Difference	Status
Chloride	20720 mg/l	19998 mg/l	+721.7 mg/l	✓
Sodium	10709 mg/l	11110 mg/l	-401.20 mg/l	✓
Magnesium	1419 mg/l	1328 mg/l	+90.83 mg/l	✓
Sulfur	855.3 mg/l	929.2 mg/l	-73.91 mg/l	✓
Calcium	447.2 mg/l	425.2 mg/l	+21.98 mg/l	✓
Potassium	394.1 mg/l	412.1 mg/l	-17.99 mg/l	✓
Bromine	82.58 mg/l	67.67 mg/l	+14.91 mg/l	✓
Strontium	8.22 mg/l	8.08 mg/l	+0.14 mg/l	✓
Boron	4.34 mg/l	4.44 mg/l	-0.10 mg/l	✓
Fluorid	0.44 mg/l	1.31 mg/l	-0.87 mg/l	↘

Minor elements	Value	Ideal value	Difference	Status
Lithium	156.8 µg/l	171.7 µg/l	-14.90 µg/l	✓
Silicon	1551 µg/l	101.0 µg/l	+1450 µg/l	↑
Iodine	13.96 µg/l	65.65 µg/l	-51.69 µg/l	↓
Barium	117.7 µg/l	10.10 µg/l	+107.6 µg/l	↗

Molybdenum	6.70 µg/l	12.12 µg/l	-5.42 µg/l	✓
Nickel	0.75 µg/l	0.51 µg/l	+0.24 µg/l	✓
Manganese	n.u	1.01 µg/l		✗
Arsenic	n.u	1.52 µg/l		✓
Beryllium	n.u	0.10 µg/l		✓
Chrome	n.u	0.51 µg/l		✓
Cobalt	n.u	0.10 µg/l		✓
Iron	n.u	0.51 µg/l		✓
Copper	n.u	0.51 µg/l		✓
Selenium	n.u	0.51 µg/l		✓
Silver	n.u	0.10 µg/l		✓
Vanadium	1.64 µg/l	1.52 µg/l	+0.12 µg/l	✓
Zinc	2.35 µg/l	2.02 µg/l	+0.33 µg/l	✓
Tin	27.68 µg/l	0.51 µg/l	+27.17 µg/l	↑

Nutrients	Value	Ideal value	Difference	Status
Nitrate	1.04 mg/l	2.00 mg/l	-0.96 mg/l	✓
Phosphorus	6.48 µg/l	8.08 µg/l	-1.60 µg/l	✓
Phosphate	0.02 mg/l	0.02 mg/l	+0.00 mg/l	✓

Pollutants	Value	Ideal value	Difference	Status
Aluminium	8.62 µg/l	0.10 µg/l	+8.52 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
Fluor	Recommended	Dosage	10,90	ml	4
Mangan	Recommended	Dosage	0,50	ml	1
Iod	Important	Dosage	0,20	ml	3

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).**