User: Karen Boysen
Analysis ID: 15639

Tank ID: 9080

Date: 05.04.2018

Measurement	Value	Nominal value
Carbonate hardness:	7.98 °dKH	7.5 °dKH
Salinity:	35.03 PSU	35 PSU

Base elements	Value	Ideal value	Difference	Status
Salinity (NaCl)	35.03 PSU	35.00 PSU	+0.03 PSU	✓
Carbonate hardness	7.98 °dKH	7.50 °dKH	+0.48 °dKH	✓

Major elements	Value	Ideal value	Difference	Status
Chloride	20208 mg/l	19819 mg/l	+389.2 mg/l	✓
Sodium	10795 mg/l	11011 mg/l	-215.50 mg/l	✓
Magnesium	1448 mg/l	1316 mg/l	+131.7 mg/l	✓
Sulfur	882.7 mg/l	920.9 mg/l	-38.18 mg/l	✓
Calcium	461.8 mg/l	421.4 mg/l	+40.40 mg/l	↗
Potassium	400.2 mg/l	408.4 mg/l	-8.19 mg/l	✓
Bromine	74.23 mg/l	67.06 mg/l	+7.17 mg/l	✓
Strontium	8.56 mg/l	8.01 mg/l	+0.55 mg/l	✓
Boron	6.28 mg/l	4.40 mg/l	+1.88 mg/l	↗
Fluorid	1.18 mg/l	1.30 mg/l	-0.12 mg/l	✓

Minor elements	Value	Ideal value	Difference	Status
Lithium	218.3 µg/l	170.2 µg/l	+48.14 µg/l	✓
Silicon	92.05 µg/l	100.1 µg/l	-8.04 µg/l	✓
Iodine	50.13 µg/l	65.06 µg/l	-14.93 µg/l	✓
Barium	21.08 µg/l	10.01 µg/l	+11.07 µg/l	✓

Molybdenum	8.93 µg/l	12.01 µg/l	-3.08 µg/l	✓
Nickel	1.10 µg/l	0.50 µg/l	+0.60 µg/l	✓
Manganese	n.u	0.50 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	2.87 µg/l	0.50 µg/l	+2.37 µg/l	✓
Copper	n.u	0.50 µg/l		✓
Selenium	n.u	0.50 µg/l		✓
Silver	n.u	0.10 µg/l		✓
Vanadium	n.u	1.50 µg/l		↘
Zinc	4.25 µg/l	2.00 µg/l	+2.25 µg/l	✓
Tin	20.17 µg/l	0.50 µg/l	+19.67 µg/l	↑

Nutrients	**Value**	**Ideal value**	**Difference**	**Status**
Nitrate	33.00 mg/l	2.00 mg/l	+31.00 mg/l	↑
Phosphorus	17.66 µg/l	8.01 µg/l	+9.65 µg/l	✓
Phosphate	0.05 mg/l	0.02 mg/l	+0.03 mg/l	✓

Pollutants	**Value**	**Ideal value**	**Difference**	**Status**
Aluminium	8.83 µg/l	0.10 µg/l	+8.73 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	✔

Recommendations:

Supplement	Priority	Action	Daily dosis	Unit	Days
Vanadium	Recommended	Dosage	0,70	ml	2

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

ATI RECOMMENDES **Tin is elevated, find source (corroding metals/magnets, RO water, salt).**