User:

Analysis ID: 35664

Tank ID: 5061

Date: 22.02.2019

Measurement	Value	Nominal value
Carbonate hardness:	8.02 °dKH	7.5 °dKH
Salinity:	33.02 PSU	35 PSU

Base elements	Value	Ideal value	Difference	Status
Salinity (NaCl)	33.02 PSU	35.00 PSU	-1.98 PSU	✓
Carbonate hardness	8.02 °dKH	7.50 °dKH	+0.52 °dKH	✓

Major elements	Value	Ideal value	Difference	Status
Chloride	18951 mg/l	18678 mg/l	+272.7 mg/l	✓
Sodium	10225 mg/l	10377 mg/l	-151.80 mg/l	✓
Magnesium	1317 mg/l	1241 mg/l	+76.50 mg/l	✓
Sulfur	829.8 mg/l	867.9 mg/l	-38.08 mg/l	✓
Calcium	535.7 mg/l	397.1 mg/l	+138.6 mg/l	↑
Potassium	350.5 mg/l	384.9 mg/l	-34.39 mg/l	↙
Bromine	84.01 mg/l	63.20 mg/l	+20.81 mg/l	↗
Strontium	3.24 mg/l	7.55 mg/l	-4.31 mg/l	↓
Boron	4.22 mg/l	4.15 mg/l	+0.07 mg/l	✓
Fluorine	0.13 mg/l	1.23 mg/l	-1.10 mg/l	↓

Minor elements	Value	Ideal value	Difference	Status
Lithium	305.8 µg/l	160.4 µg/l	+145.4 µg/l	✓
Silicon	551.5 µg/l	94.33 µg/l	+457.2 µg/l	↗
Iodine	7.88 µg/l	61.32 µg/l	-53.44 µg/l	↓
Barium	19.54 µg/l	9.43 µg/l	+10.11 µg/l	✓

Molybdenum	14.50 µg/l	11.32 µg/l	+3.18 µg/l	✓
Nickel	n.u	0.47 µg/l		✓
Manganese	n.u	0.94 µg/l		✗
Arsenic	n.u	1.42 µg/l		✓
Beryllium	n.u	0.09 µg/l		✓
Chrome	n.u	0.47 µg/l		✓
Cobalt	n.u	0.09 µg/l		✓
Iron	n.u	0.47 µg/l		✓
Copper	n.u	0.47 µg/l		✓
Selenium	n.u	0.47 µg/l		✓
Silver	n.u	0.09 µg/l		✓
Vanadium	4.31 µg/l	1.42 µg/l	+2.89 µg/l	✓
Zinc	1.70 µg/l	1.89 µg/l	-0.19 µg/l	✓
Tin	n.u	0.47 µg/l		✓

Nutrients	**Value**	**Ideal value**	**Difference**	**Status**
Nitrate	0.01 mg/l	2.00 mg/l	-1.99 mg/l	✗
Phosphorus	n.u	14.15 µg/l		↓
Phosphate	n.u	0.04 mg/l		↓

Pollutants	**Value**	**Ideal value**	**Difference**	**Status**
Aluminium	7.41 µg/l	0.09 µg/l	+7.32 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	0.19 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
Kalium	Recommended	Dosage	5,70	ml	4
Strontium	Recommended	Dosage	9,70	ml	3
Fluor	Recommended	Dosage	7,20	ml	5
Mangan	Recommended	Dosage	0,30	ml	1
Iod	Important	Dosage	0,10	ml	3

Additional action: stop dosage of calcium temporarly or change 2 x 15% of water

ATI RECOMMENDES **Adjust calcium dosage. Phosphorus is limited, remove GFO (if in use), add phosphorus!**