User: Byron Foch
Analysis ID: 16051

Tank ID: 9321

Date: 13.04.2018

Measurement	Value	Nominal value
Carbonate hardness:	7.3 °dKH	7.5 °dKH
Salinity:	34.84 PSU	35 PSU

Base elements	Value	Ideal value	Difference	Status
Salinity (NaCl)	34.84 PSU	35.00 PSU	-0.16 PSU	✓
Carbonate hardness	7.30 °dKH	7.50 °dKH	-0.20 °dKH	✓

Major elements	Value	Ideal value	Difference	Status
Chloride	20399 mg/l	19711 mg/l	+687.6 mg/l	✓
Sodium	10569 mg/l	10951 mg/l	-381.80 mg/l	✓
Magnesium	1419 mg/l	1309 mg/l	+109.9 mg/l	✓
Sulfur	856.4 mg/l	915.9 mg/l	-59.48 mg/l	✓
Calcium	842.0 mg/l	419.1 mg/l	+422.9 mg/l	↑
Potassium	400.1 mg/l	406.2 mg/l	-6.07 mg/l	✓
Bromine	51.09 mg/l	66.70 mg/l	-15.61 mg/l	✓
Strontium	6.66 mg/l	7.96 mg/l	-1.30 mg/l	✓
Boron	9.21 mg/l	4.38 mg/l	+4.83 mg/l	↑
Fluorid	0.91 mg/l	1.29 mg/l	-0.38 mg/l	✓

Minor elements	Value	Ideal value	Difference	Status
Lithium	115.8 µg/l	169.2 µg/l	-53.44 µg/l	✓
Silicon	192.5 µg/l	99.55 µg/l	+92.95 µg/l	✓
Iodine	28.54 µg/l	64.71 µg/l	-36.17 µg/l	↓
Barium	6.72 µg/l	9.96 µg/l	-3.24 µg/l	✓

Molybdenum	15.76 µg/l	11.95 µg/l	+3.81 µg/l	✓
Nickel	n.u	0.50 µg/l		✓
Manganese	n.u	0.50 µg/l		✓
Arsenic	n.u	1.49 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	0.21 µg/l	1.49 µg/l	-1.28 µg/l	↘
Zinc	0.36 µg/l	1.99 µg/l	-1.63 µg/l	✓
Tin	1.69 µg/l	0.50 µg/l	+1.19 µg/l	✓

Nutrients	Value	Ideal value	Difference	Status
Nitrate	488.0 mg/l	2.00 mg/l	+486.0 mg/l	↑
Phosphorus	2.39 µg/l	7.96 µg/l	-5.57 µg/l	↓
Phosphate	0.01 mg/l	0.02 mg/l	-0.01 mg/l	↘

Pollutants	Value	Ideal value	Difference	Status
Aluminium	6.47 µg/l	0.10 µg/l	+6.37 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
Vanadium	Recommended	Dosage	0,30	ml	2
Iod	Important	Dosage	0,20	ml	2

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

ATI RECOMMENDES **NO3 is elevated. Adjust iodine and calcium dosage.**