User: Jake Bernstein
Analysis ID: 51400

Tank ID: 8292

Date: 26.08.2019

Measurement	Value	Nominal value
Carbonate hardness:	8.46 °dKH	7.5 °dKH
Salinity:	34.89 PSU	35 PSU

Base elements	Value	Ideal value	Difference	Status
Salinity (NaCl)	34.89 PSU	35.00 PSU	-0.11 PSU	✓
Carbonate hardness	8.46 °dKH	7.50 °dKH	+0.96 °dKH	✓

Major elements	Value	Ideal value	Difference	Status
Chloride	20417 mg/l	19740 mg/l	+677.3 mg/l	✓
Sodium	10591 mg/l	10967 mg/l	-375.50 mg/l	✓
Magnesium	1437 mg/l	1311 mg/l	+126.0 mg/l	✓
Sulfur	851.7 mg/l	917.2 mg/l	-65.50 mg/l	✓
Calcium	456.4 mg/l	419.7 mg/l	+36.68 mg/l	✓
Potassium	449.4 mg/l	406.8 mg/l	+42.64 mg/l	✓
Bromine	53.71 mg/l	66.80 mg/l	-13.09 mg/l	✓
Strontium	11.17 mg/l	7.98 mg/l	+3.19 mg/l	↗
Boron	6.66 mg/l	4.39 mg/l	+2.27 mg/l	↗
Fluorine	0.33 mg/l	1.30 mg/l	-0.97 mg/l	↘

Minor elements	Value	Ideal value	Difference	Status
Lithium	193.0 µg/l	169.5 µg/l	+23.52 µg/l	✓
Silicon	108.6 µg/l	99.70 µg/l	+8.90 µg/l	✓
Iodine	42.06 µg/l	64.80 µg/l	-22.74 µg/l	↘
Barium	17.04 µg/l	9.97 µg/l	+7.07 µg/l	✓

Molybdenum	22.30 µg/l	11.96 µg/l	+10.34 µg/l	✓
Nickel	n.u	0.50 µg/l		✓
Manganese	n.u	1.00 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	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	n.u	1.50 µg/l		✗
Zinc	n.u	1.99 µg/l		✓
Tin	n.u	0.50 µg/l		✓

Nutrients	Value	Ideal value	Difference	Status
Nitrate	5.62 mg/l	2.00 mg/l	+3.62 mg/l	✓
Phosphorus	9.84 µg/l	14.95 µg/l	-5.11 µg/l	✗
Phosphate	0.03 mg/l	0.04 mg/l	-0.01 mg/l	✓

Pollutants	Value	Ideal value	Difference	Status
Aluminium	30.36 µg/l	0.10 µg/l	+30.26 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
Fluor	Recommended	Dosage	3,00	ml	4
Vanadium	Recommended	Dosage	0,10	ml	2
Mangan	Recommended	Dosage	0,10	ml	1
Iod	Important	Dosage	0,00	ml	2

ATI RECOMMENDES **Phosphorus might be limited, remove GFO (if in use), add phosphorus!**