User: Jeremiah McCarthy
Analysis ID: 194714

Tank ID: 67206

Date: 05.10.2022

Base elements	Value	Ideal value	Difference	Status
Salinity	33.21 PSU	35.00 PSU	-1.79 PSU	✓
Carbonate hardness	8.19 °dKH	7.50 °dKH	+0.69 °dKH	✓

Major elements	Value	Ideal value	Difference	Status
Chloride	18659 mg/l	18537 mg/l	+122.3 mg/l	✓
Sodium	10230 mg/l	10298 mg/l	-68.20 mg/l	✓
Magnesium	1354 mg/l	1231 mg/l	+122.9 mg/l	✓
Sulfur	932.5 mg/l	861.3 mg/l	+71.20 mg/l	✓
Calcium	416.6 mg/l	394.1 mg/l	+22.46 mg/l	✓
Potassium	416.0 mg/l	382.0 mg/l	+34.03 mg/l	✓
Bromine	51.12 mg/l	62.73 mg/l	-11.61 mg/l	✓
Strontium	10.80 mg/l	7.49 mg/l	+3.31 mg/l	↗
Boron	9.06 mg/l	4.12 mg/l	+4.94 mg/l	↑
Fluorine	0.59 mg/l	1.22 mg/l	-0.63 mg/l	↘

Minor elements	Value	Ideal value	Difference	Status
Lithium	292.5 µg/l	159.2 µg/l	+133.3 µg/l	✓
Silicon	153.2 µg/l	93.62 µg/l	+59.58 µg/l	✓
Iodine	13.64 µg/l	60.85 µg/l	-47.21 µg/l	↓
Barium	45.25 µg/l	9.36 µg/l	+35.89 µg/l	✓
Molybdenum	13.35 µg/l	11.23 µg/l	+2.12 µg/l	✓
Nickel	0.78 µg/l	0.47 µg/l	+0.31 µg/l	✓

Manganese	n.u	0.94 µg/l		✗
Arsenic	n.u	1.40 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	1.37 µg/l	0.47 µg/l	+0.90 µg/l	✓
Selenium	n.u	0.47 µg/l		✓
Silver	n.u	0.09 µg/l		✓
Vanadium	1.33 µg/l	1.40 µg/l	-0.07 µg/l	✓
Zinc	2.05 µg/l	1.87 µg/l	+0.18 µg/l	✓
Tin	11.54 µg/l	0.47 µg/l	+11.07 µg/l	✗

Nutrients	**Value**	**Ideal value**	**Difference**	**Status**
Nitrate	14.20 mg/l	2.00 mg/l	+12.20 mg/l	✓
Phosphorus	20.36 µg/l	14.04 µg/l	+6.32 µg/l	✓
Phosphate	0.06 mg/l	0.04 mg/l	+0.02 mg/l	✓

Pollutants	**Value**	**Ideal value**	**Difference**	**Status**
Aluminium	10.31 µg/l	0.09 µg/l	+10.22 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	✔

Recommendations:

Supplement	Priority	Action	Daily dosis	Unit	Days
Fluor	Recommended	Dosage	35,50	ml	3
Mangan	Recommended	Dosage	1,60	ml	1
Iod (100 ml Flasche/bottl	Important	Dosage	0,50	ml	3

Additional action: change 3 x 20 % of water with natural seawater or "Absolute Ocean" (weekly cycle)