User: Thomas Roth
Analysis ID: 230678

Tank ID: 76237

Date: 22.05.2023

Base elements	Value	Ideal value	Difference	Status
Salinity	33.61 PSU	35.00 PSU	-1.39 PSU	✓
Carbonate hardness	7.85 °dKH	7.50 °dKH	+0.35 °dKH	✓

Major elements	Value	Ideal value	Difference	Status
Chloride	18964 mg/l	18850 mg/l	+113.8 mg/l	✓
Sodium	10409 mg/l	10472 mg/l	-63.30 mg/l	✓
Magnesium	1398 mg/l	1252 mg/l	+146.1 mg/l	✓
Sulfur	925.5 mg/l	875.9 mg/l	+49.63 mg/l	✓
Calcium	422.5 mg/l	400.8 mg/l	+21.70 mg/l	✓
Potassium	307.1 mg/l	388.4 mg/l	-81.33 mg/l	↓
Bromine	80.80 mg/l	63.79 mg/l	+17.01 mg/l	↗
Strontium	8.91 mg/l	7.62 mg/l	+1.29 mg/l	✓
Boron	5.98 mg/l	4.19 mg/l	+1.79 mg/l	↗
Fluorine	1.46 mg/l	1.24 mg/l	+0.22 mg/l	✓

Minor elements	Value	Ideal value	Difference	Status
Lithium	330.0 µg/l	161.8 µg/l	+168.2 µg/l	✓
Silicon	170.1 µg/l	95.20 µg/l	+74.90 µg/l	✓
Iodine	183.9 µg/l	61.88 µg/l	+122.0 µg/l	↑
Barium	10.30 µg/l	9.52 µg/l	+0.78 µg/l	✓
Molybdenum	37.43 µg/l	11.42 µg/l	+26.01 µg/l	↗
Nickel	n.u	0.48 µg/l		✓

Manganese	n.u	0.95 µg/l		✗
Arsenic	n.u	1.43 µg/l		✓
Beryllium	n.u	0.10 µg/l		✓
Chrome	n.u	0.48 µg/l		✓
Cobalt	n.u	0.10 µg/l		✓
Iron	n.u	0.48 µg/l		✓
Copper	3.30 µg/l	0.48 µg/l	+2.82 µg/l	✓
Selenium	n.u	0.48 µg/l		✓
Silver	n.u	0.10 µg/l		✓
Vanadium	n.u	1.43 µg/l		✗
Zinc	4.88 µg/l	1.90 µg/l	+2.98 µg/l	✓
Tin	4.22 µg/l	0.48 µg/l	+3.74 µg/l	✓

Nutrients	**Value**	**Ideal value**	**Difference**	**Status**
Nitrate	8.45 mg/l	2.00 mg/l	+6.45 mg/l	✓
Phosphorus	6.34 µg/l	14.28 µg/l	-7.94 µg/l	✗
Phosphate	0.02 mg/l	0.04 mg/l	-0.02 mg/l	✗

Pollutants	**Value**	**Ideal value**	**Difference**	**Status**
Aluminium	55.78 µg/l	0.10 µg/l	+55.68 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	0.19 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
Kalium	Recommended	Dosage	30,70	ml	9
Vanadium	Recommended	Dosage	1,20	ml	2
Mangan	Recommended	Dosage	1,60	ml	1

Additional action: use activated carbon (50 g/ 100 l))