



User: Paul Diehm
Analysis ID: 45612

Tank ID: 10965

Date: 14.06.2019

Measurement	Value	Nominal value
Carbonate hardness:	8.72 °dKH	7.5 °dKH

Salinity: 34.49 PSU 35 PSU

Base elements	Value	Ideal value	Difference	Status
Salinity (NaCl)	34.49 PSU	35.00 PSU	-0.51 PSU	✓
Carbonate hardness	8.72 °dKH	7.50 °dKH	+1.22 °dKH	✓

Major elements	Value	Ideal value	Difference	Status
Chloride	19566 mg/l	19512 mg/l	+53.90 mg/l	✓
Sodium	10810 mg/l	10840 mg/l	-30.10 mg/l	✓
Magnesium	1454 mg/l	1296 mg/l	+158.1 mg/l	✓
Sulfur	943.4 mg/l	906.6 mg/l	+36.78 mg/l	✓
Calcium	495.2 mg/l	414.9 mg/l	+80.32 mg/l	✗
Potassium	407.7 mg/l	402.1 mg/l	+5.63 mg/l	✓
Bromine	92.04 mg/l	66.03 mg/l	+26.01 mg/l	✗
Strontium	9.82 mg/l	7.88 mg/l	+1.94 mg/l	✓
Boron	4.83 mg/l	4.34 mg/l	+0.49 mg/l	✓
Fluorine	1.39 mg/l	1.28 mg/l	+0.11 mg/l	✓

Minor elements	Value	Ideal value	Difference	Status
Lithium	331.9 µg/l	167.5 µg/l	+164.4 µg/l	✓
Silicon	68.52 µg/l	98.55 µg/l	-30.03 µg/l	✓
Iodine	41.89 µg/l	64.05 µg/l	-22.16 µg/l	✗
Barium	36.22 µg/l	9.85 µg/l	+26.37 µg/l	✓



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Molybdenum	3.00 µg/l	11.83 µg/l	-8.83 µg/l	🔧
Nickel	n.u	0.49 µg/l		✓
Manganese	n.u	0.99 µg/l		🔧
Arsenic	n.u	1.48 µg/l		✓
Beryllium	n.u	0.10 µg/l		✓
Chrome	n.u	0.49 µg/l		✓
Cobalt	n.u	0.10 µg/l		✓
Iron	n.u	0.49 µg/l		✓
Copper	n.u	0.49 µg/l		✓
Selenium	n.u	0.49 µg/l		✓
Silver	n.u	0.10 µg/l		✓
Vanadium	n.u	1.48 µg/l		🔧
Zinc	n.u	1.97 µg/l		✓
Tin	n.u	0.49 µg/l		✓

Nutrients	Value	Ideal value	Difference	Status
Nitrate	0.01 mg/l	2.00 mg/l	-1.99 mg/l	🔧

Phosphorus	4.84 µg/l	14.78 µg/l	-9.94 µg/l	↓
Phosphate	0.01 mg/l	0.04 mg/l	-0.03 mg/l	🔧

Pollutants	Value	Ideal value	Difference	Status
Aluminium	3.04 µg/l	0.10 µg/l	+2.94 µg/l	✓
Antimony	n.u	0.10 µg/l		✓
Bismuth	n.u	0.10 µg/l		✓



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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
Molybdän	Recommended Dosage		2,70	ml	2
Vanadium	Recommended Dosage		0,50	ml	2
Mangan	Recommended Dosage		0,60	ml	1
Iod	Important	Dosage	0,10	ml	2

ATI RECOMMENDES

Phosphorus is limited, remove GFO (if in use), add phosphorus!