



User: Bo Engelquist  
Analysis ID: 36249

Tank ID: 18161

Date: 22.02.2019

Measurement	Value	Nominal value
Carbonate hardness:	8.54 °dKH	7.5 °dKH

Salinity: 30.74 PSU 35 PSU

Base elements	Value	Ideal value	Difference	Status
Salinity (NaCl)	30.74 PSU	35.00 PSU	-4.26 PSU	

Carbonate hardness 8.54 °dKH 7.50 °dKH +1.04 °dKH

Major elements	Value	Ideal value	Difference	Status
Chloride	17865 mg/l	17391 mg/l	+474.0 mg/l	

Sodium 9399 mg/l 9662 mg/l -262.67 mg/l

Magnesium 1408 mg/l 1155 mg/l +253.0 mg/l

Sulfur 744.3 mg/l 808.1 mg/l -63.77 mg/l

Calcium 411.9 mg/l 369.8 mg/l +42.12 mg/l

Potassium 340.8 mg/l 358.4 mg/l -17.56 mg/l

Bromine 62.27 mg/l 58.85 mg/l +3.42 mg/l

Strontium 9.80 mg/l 7.03 mg/l +2.77 mg/l

Boron 4.65 mg/l 3.86 mg/l +0.79 mg/l

Fluorine 0.47 mg/l 1.14 mg/l -0.67 mg/l

Minor elements	Value	Ideal value	Difference	Status
Lithium	196.3 µg/l	149.3 µg/l	+46.98 µg/l	

Silicon 213.1 µg/l 87.83 µg/l +125.3 µg/l

Iodine 30.25 µg/l 57.09 µg/l -26.84 µg/l

Barium 55.23 µg/l 8.78 µg/l +46.45 µg/l



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Molybdenum	5.42 µg/l	10.54 µg/l	-5.12 µg/l	✓
Nickel	n.u	0.44 µg/l		✓
Manganese	n.u	0.88 µg/l		✗
Arsenic	n.u	1.32 µg/l		✓
Beryllium	n.u	0.09 µg/l		✓
Chrome	n.u	0.44 µg/l		✓
Cobalt	n.u	0.09 µg/l		✓
Iron	n.u	0.44 µg/l		✓
Copper	n.u	0.44 µg/l		✓
Selenium	n.u	0.44 µg/l		✓
Silver	n.u	0.09 µg/l		✓
Vanadium	n.u	1.32 µg/l		✗
Zinc	3.41 µg/l	1.76 µg/l	+1.65 µg/l	✓
Tin	n.u	0.44 µg/l		✓
Nutrients	Value	Ideal value	Difference	Status
Nitrate	0.52 mg/l	2.00 mg/l	-1.48 mg/l	✓
Phosphorus	6.47 µg/l	13.17 µg/l	-6.70 µg/l	✗
Phosphate	0.02 mg/l	0.04 mg/l	-0.02 mg/l	✗
Pollutants	Value	Ideal value	Difference	Status
Aluminium	1.57 µg/l	0.09 µg/l	+1.48 µg/l	✓
Antimony	n.u	0.09 µg/l		✓
Bismuth	n.u	0.09 µg/l		✓



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Lead	n.u	0.09 µg/l	✓
Cadmium	n.u	0.18 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	✓



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**Recommendations:**

Supplement	Priority	Action	Daily dosis	Unit	Days
Fluor	Recommended	Dosage	33,60	ml	3
Vanadium	Recommended	Dosage	1,00	ml	2
Mangan	Recommended	Dosage	1,30	ml	1
Iod	Important	Dosage	0,40	ml	2

Additional action:

We recommend a salinity of 32 - 37 PSU

**ATI RECOMMENDES**

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