



User: Brian Powers
Analysis ID: 22169

Tank ID: 12141

Date: 06.08.2018

Measurement	Value	Nominal value
Carbonate hardness:	9.05 °dKH	7.5 °dKH

Salinity:	33.89 PSU	35 PSU
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Base elements	Value	Ideal value	Difference	Status
Salinity (NaCl)	33.89 PSU	35.00 PSU	-1.11 PSU	✓

Carbonate hardness	9.05 °dKH	7.50 °dKH	+1.55 °dKH	✓
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Major elements	Value	Ideal value	Difference	Status
Chloride	19711 mg/l	19172 mg/l	+539.2 mg/l	✓

Sodium	10351 mg/l	10651 mg/l	-300.00 mg/l	✓
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Magnesium	1431 mg/l	1273 mg/l	+157.7 mg/l	✓
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Sulfur	842.0 mg/l	890.8 mg/l	-48.81 mg/l	✓
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Calcium	447.6 mg/l	407.6 mg/l	+39.96 mg/l	✗
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Potassium	431.5 mg/l	395.1 mg/l	+36.44 mg/l	✓
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Bromine	1.06 mg/l	64.87 mg/l	-63.81 mg/l	↓
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Strontium	6.71 mg/l	7.75 mg/l	-1.04 mg/l	✓
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Boron	5.61 mg/l	4.26 mg/l	+1.35 mg/l	✓
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Fluorid	0.41 mg/l	1.26 mg/l	-0.85 mg/l	✗
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Minor elements	Value	Ideal value	Difference	Status
Lithium	44.73 µg/l	164.6 µg/l	-119.88 µg/l	✗

Silicon	378.6 µg/l	96.83 µg/l	+281.8 µg/l	✗
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Iodine	46.66 µg/l	62.94 µg/l	-16.28 µg/l	✓
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Barium	104.0 µg/l	9.68 µg/l	+94.32 µg/l	✗
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Molybdenum	23.29 µg/l	11.62 µg/l	+11.67 µg/l	✓
Nickel	1.40 µg/l	0.48 µg/l	+0.92 µg/l	✓
Manganese	n.u	0.97 µg/l		✗
Arsenic	0.53 µg/l	1.45 µg/l	-0.92 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	n.u	0.48 µg/l		✓
Selenium	n.u	0.48 µg/l		✓
Silver	n.u	0.10 µg/l		✓
Vanadium	2.01 µg/l	1.45 µg/l	+0.56 µg/l	✓
Zinc	11.47 µg/l	1.94 µg/l	+9.53 µg/l	✗
Tin	n.u	0.48 µg/l		✓
Nutrients	Value	Ideal value	Difference	Status
Nitrate	2.13 mg/l	2.00 mg/l	+0.13 mg/l	✓
Phosphorus	101.4 µg/l	7.75 µg/l	+93.65 µg/l	↑
Phosphate	0.31 mg/l	0.02 mg/l	+0.29 mg/l	↑
Pollutants	Value	Ideal value	Difference	Status
Aluminium	23.82 µg/l	0.10 µg/l	+23.72 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	0.19 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	✓



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Recommendations:

Supplement	Priority	Action	Daily dosis	Unit	Days
Brom	Recommended Dosage		6,40	ml	7
Fluor	Recommended Dosage		3,70	ml	4
Lithium	Recommended Dosage		0,70	ml	6
Mangan	Recommended Dosage		0,20	ml	1

Additional action:

We recommend to use GFO

ATI RECOMMENDES

Some trace metals are elevated, find source (corroding metals/magnets, RO water, salt). PO4 is high, use remover.