User: Brandon Clark
Analysis ID: 57516

Tank ID: 15882

Date: 06.11.2019

Measurement	Value	Nominal value
Carbonate hardness:	9.01 °dKH	7.5 °dKH
Salinity:	34.13 PSU	35 PSU

Base elements	Value	Ideal value	Difference	Status
Salinity (NaCl)	34.13 PSU	35.00 PSU	-0.87 PSU	✓
Carbonate hardness	9.01 °dKH	7.50 °dKH	+1.51 °dKH	✓

Major elements	Value	Ideal value	Difference	Status
Chloride	19555 mg/l	19309 mg/l	+245.9 mg/l	✓
Sodium	10591 mg/l	10727 mg/l	-136.30 mg/l	✓
Magnesium	1403 mg/l	1282 mg/l	+120.6 mg/l	✓
Sulfur	964.4 mg/l	897.2 mg/l	+67.21 mg/l	✓
Calcium	383.3 mg/l	410.6 mg/l	-27.26 mg/l	↘
Potassium	335.9 mg/l	397.9 mg/l	-61.98 mg/l	↓
Bromine	81.85 mg/l	65.34 mg/l	+16.51 mg/l	✓
Strontium	2.74 mg/l	7.80 mg/l	-5.06 mg/l	↓
Boron	4.30 mg/l	4.29 mg/l	+0.01 mg/l	✓
Fluorine	0.28 mg/l	1.27 mg/l	-0.99 mg/l	↓

Minor elements	Value	Ideal value	Difference	Status
Lithium	339.2 µg/l	165.8 µg/l	+173.4 µg/l	✓
Silicon	164.0 µg/l	97.52 µg/l	+66.48 µg/l	✓
Iodine	8.49 µg/l	63.39 µg/l	-54.90 µg/l	↓
Barium	2.94 µg/l	9.75 µg/l	-6.81 µg/l	↘

Molybdenum	1.92 µg/l	11.70 µg/l	-9.78 µg/l	
Nickel	n.u	0.49 µg/l		
Manganese	n.u	0.98 µg/l		
Arsenic	n.u	1.46 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	0.45 µg/l	1.46 µg/l	-1.01 µg/l	
Zinc	n.u	1.95 µg/l		
Tin	n.u	0.49 µg/l		

Nutrients	Value	Ideal value	Difference	Status
Nitrate	10.39 mg/l	2.00 mg/l	+8.39 mg/l	
Phosphorus	64.80 µg/l	14.63 µg/l	+50.17 µg/l	
Phosphate	0.20 mg/l	0.04 mg/l	+0.16 mg/l	

Pollutants	Value	Ideal value	Difference	Status
Aluminium	13.39 µg/l	0.10 µg/l	+13.29 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	0.20 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
Kalium	Recommended	Dosage	10,60	ml	7
Strontium	Recommended	Dosage	20,60	ml	3
Calcium	Important	Dosage	8,20	ml	2
Fluor	Recommended	Dosage	14,80	ml	4
Molybdän	Recommended	Dosage	2,90	ml	2
Vanadium	Recommended	Dosage	0,30	ml	2
Mangan	Recommended	Dosage	0,60	ml	1
Iod	Important	Dosage	0,20	ml	3
Barium	Recommended	Dosage	4,10	ml	2

Additional action: We recommend to use GFO

ATI RECOMMENDES **Nutrients are elevated. Use remover, optimize filtration. Adjust iodine dosage.**