User: Josh Jordan
Analysis ID: 181583

Tank ID: 64132

Date: 11.07.2022

Base elements	Value	Ideal value	Difference	Status
Salinity	33.77 PSU	35.00 PSU	-1.23 PSU	✓
Carbonate hardness	6.64 °dKH	7.50 °dKH	-0.86 °dKH	✓

Major elements	Value	Ideal value	Difference	Status
Chloride	19107 mg/l	18812 mg/l	+295.0 mg/l	✓
Sodium	10287 mg/l	10451 mg/l	-164.10 mg/l	✓
Magnesium	1347 mg/l	1249 mg/l	+97.62 mg/l	✓
Sulfur	912.1 mg/l	874.1 mg/l	+38.01 mg/l	✓
Calcium	547.2 mg/l	400.0 mg/l	+147.2 mg/l	↑
Potassium	397.3 mg/l	387.6 mg/l	+9.66 mg/l	✓
Bromine	93.73 mg/l	63.66 mg/l	+30.07 mg/l	↗
Strontium	11.28 mg/l	7.60 mg/l	+3.68 mg/l	↗
Boron	5.52 mg/l	4.18 mg/l	+1.34 mg/l	✓
Fluorine	1.09 mg/l	1.24 mg/l	-0.15 mg/l	✓

Minor elements	Value	Ideal value	Difference	Status
Lithium	432.0 µg/l	161.5 µg/l	+270.5 µg/l	✓
Silicon	678.5 µg/l	95.01 µg/l	+583.5 µg/l	↑
Iodine	26.87 µg/l	61.76 µg/l	-34.89 µg/l	↓
Barium	83.93 µg/l	9.50 µg/l	+74.43 µg/l	↗
Molybdenum	2.11 µg/l	11.40 µg/l	-9.29 µg/l	↓
Nickel	2.30 µg/l	0.48 µg/l	+1.82 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	n.u	0.48 µg/l		
Selenium	n.u	0.48 µg/l		
Silver	n.u	0.10 µg/l		
Vanadium	n.u	1.43 µg/l		
Zinc	12.95 µg/l	1.90 µg/l	+11.05 µg/l	
Tin	n.u	0.48 µg/l		

Nutrients	Value	Ideal value	Difference	Status
Nitrate	5.06 mg/l	2.00 mg/l	+3.06 mg/l	
Phosphorus	140.8 µg/l	14.25 µg/l	+126.5 µg/l	
Phosphate	0.43 mg/l	0.04 mg/l	+0.39 mg/l	

Pollutants	Value	Ideal value	Difference	Status
Aluminium	45.04 µg/l	0.10 µg/l	+44.94 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	✔

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Recommendations:

Supplement	Priority	Action	Daily dosis	Unit	Days
Molybdän	Recommended	Dosage	0,70	ml	2
Vanadium	Recommended	Dosage	0,10	ml	2
Mangan	Recommended	Dosage	0,20	ml	1
Iod	Important	Dosage	0,10	ml	2

Additional action: stop dosage of calcium temporarly or change 2 x 15% of water

Additional action: use silicat adsorber (check RO water)

Additional action: We recommend to use GFO