User: Dan Ray
Analysis ID: 50883

Tank ID: 23865

Date: 16.08.2019

Measurement	Value	Nominal value
Carbonate hardness:	8.94 °dKH	7.5 °dKH
Salinity:	34.37 PSU	35 PSU

Base elements	Value	Ideal value	Difference	Status
Salinity (NaCl)	34.37 PSU	35.00 PSU	-0.63 PSU	✓
Carbonate hardness	8.94 °dKH	7.50 °dKH	+1.44 °dKH	✓

Major elements	Value	Ideal value	Difference	Status
Chloride	19503 mg/l	19443 mg/l	+60.30 mg/l	✓
Sodium	10768 mg/l	10802 mg/l	-33.50 mg/l	✓
Magnesium	1394 mg/l	1291 mg/l	+102.7 mg/l	✓
Sulfur	892.9 mg/l	903.4 mg/l	-10.50 mg/l	✓
Calcium	379.3 mg/l	413.4 mg/l	-34.10 mg/l	↓
Potassium	416.6 mg/l	400.6 mg/l	+15.96 mg/l	✓
Bromine	74.03 mg/l	65.79 mg/l	+8.24 mg/l	✓
Strontium	8.79 mg/l	7.86 mg/l	+0.93 mg/l	✓
Boron	4.29 mg/l	4.32 mg/l	-0.03 mg/l	✓
Fluorine	1.20 mg/l	1.28 mg/l	-0.08 mg/l	✓

Minor elements	Value	Ideal value	Difference	Status
Lithium	240.8 µg/l	166.9 µg/l	+73.87 µg/l	✓
Silicon	51.05 µg/l	98.20 µg/l	-47.15 µg/l	✓
Iodine	38.58 µg/l	63.83 µg/l	-25.25 µg/l	↓
Barium	63.75 µg/l	9.82 µg/l	+53.93 µg/l	↑

Molybdenum	10.02 µg/l	11.78 µg/l	-1.76 µg/l	✓
Nickel	1.37 µg/l	0.49 µg/l	+0.88 µg/l	✓
Manganese	n.u	0.98 µg/l		✗
Arsenic	n.u	1.47 µg/l		✓
Beryllium	n.u	0.10 µg/l		✓
Chrome	n.u	0.49 µg/l		✓
Cobalt	n.u	0.10 µg/l		✓
Iron	1.20 µg/l	0.49 µg/l	+0.71 µg/l	✓
Copper	n.u	0.49 µg/l		✓
Selenium	n.u	0.49 µg/l		✓
Silver	n.u	0.10 µg/l		✓
Vanadium	1.49 µg/l	1.47 µg/l	+0.02 µg/l	✓
Zinc	5.42 µg/l	1.96 µg/l	+3.46 µg/l	✓
Tin	n.u	0.49 µg/l		✓

Nutrients	**Value**	**Ideal value**	**Difference**	**Status**
Nitrate	0.50 mg/l	2.00 mg/l	-1.50 mg/l	✓
Phosphorus	5.37 µg/l	14.73 µg/l	-9.36 µg/l	✗
Phosphate	0.02 mg/l	0.04 mg/l	-0.02 mg/l	✗

Pollutants	**Value**	**Ideal value**	**Difference**	**Status**
Aluminium	61.89 µg/l	0.10 µg/l	+61.79 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
Calcium	Important	Dosage	6,40	ml	2
Mangan	Recommended	Dosage	0,40	ml	1
Iod	Important	Dosage	0,10	ml	2

ATI RECOMMENDES **Phosphorus might be limited, remove GFO (if in use), add phosphorus! RO results will follow.**