User: Brian Carlson
Analysis ID: 19487

Tank ID: 10954

Date: 15.06.2018

Measurement	Value	Nominal value
Carbonate hardness:	6.25 °dKH	7.5 °dKH
Salinity:	34.10 PSU	35 PSU

Base elements	Value	Ideal value	Difference	Status
Salinity (NaCl)	34.10 PSU	35.00 PSU	-0.90 PSU	✓
Carbonate hardness	6.25 °dKH	7.50 °dKH	-1.25 °dKH	✗

Major elements	Value	Ideal value	Difference	Status
Chloride	19769 mg/l	19291 mg/l	+478.0 mg/l	✓
Sodium	10452 mg/l	10717 mg/l	-265.20 mg/l	✓
Magnesium	1376 mg/l	1281 mg/l	+94.81 mg/l	✓
Sulfur	867.8 mg/l	896.3 mg/l	-28.55 mg/l	✓
Calcium	437.7 mg/l	410.2 mg/l	+27.52 mg/l	✓
Potassium	395.1 mg/l	397.5 mg/l	-2.41 mg/l	✓
Bromine	64.46 mg/l	65.28 mg/l	-0.82 mg/l	✓
Strontium	9.66 mg/l	7.79 mg/l	+1.87 mg/l	✓
Boron	4.26 mg/l	4.29 mg/l	-0.03 mg/l	✓
Fluorid	1.67 mg/l	1.27 mg/l	+0.40 mg/l	✓

Minor elements	Value	Ideal value	Difference	Status
Lithium	211.7 µg/l	165.6 µg/l	+46.07 µg/l	✓
Silicon	55.06 µg/l	97.43 µg/l	-42.37 µg/l	✓
Iodine	29.51 µg/l	63.33 µg/l	-33.82 µg/l	✗
Barium	60.28 µg/l	9.74 µg/l	+50.54 µg/l	✗

Molybdenum	11.39 µg/l	11.69 µg/l	-0.30 µg/l	✓
Nickel	n.u	0.49 µg/l		✓
Manganese	n.u	0.49 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	n.u	1.46 µg/l		✗
Zinc	4.33 µg/l	1.95 µg/l	+2.38 µg/l	✓
Tin	n.u	0.49 µg/l		✓

Nutrients	**Value**	**Ideal value**	**Difference**	**Status**
Nitrate	0.01 mg/l	2.00 mg/l	-1.99 mg/l	✗
Phosphorus	11.06 µg/l	7.79 µg/l	+3.27 µg/l	✓
Phosphate	0.03 mg/l	0.02 mg/l	+0.01 mg/l	✓

Pollutants	**Value**	**Ideal value**	**Difference**	**Status**
Aluminium	3.36 µg/l	0.10 µg/l	+3.26 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
Vanadium	Recommended	Dosage	0,10	ml	2
Iod	Important	Dosage	0,00	ml	2

Additional action: We recommend a KH of 7 - 9 °dKH