User: Dennis thompson
Analysis ID: 12292

Tank ID: 7259

Date: 02.02.2018

Measurement	Value	Nominal value
Carbonate hardness:	9.31 °dKH	7.5 °dKH
Salinity:	30.27 PSU	35 PSU

Base elements	Value	Ideal value	Difference	Status
Salinity (NaCl)	30.27 PSU	35.00 PSU	-4.73 PSU	
Carbonate hardness	9.31 °dKH	7.50 °dKH	+1.81 °dKH	

Major elements	Value	Ideal value	Difference	Status
Chloride	17444 mg/l	17127 mg/l	+317.4 mg/l	
Sodium	9339 mg/l	9515 mg/l	-175.76 mg/l	
Magnesium	1253 mg/l	1137 mg/l	+115.5 mg/l	
Sulfur	822.7 mg/l	795.8 mg/l	+26.92 mg/l	
Calcium	399.2 mg/l	364.2 mg/l	+35.04 mg/l	
Potassium	367.9 mg/l	352.9 mg/l	+14.99 mg/l	
Bromine	58.30 mg/l	57.95 mg/l	+0.35 mg/l	
Strontium	9.20 mg/l	6.92 mg/l	+2.28 mg/l	
Boron	3.99 mg/l	3.81 mg/l	+0.18 mg/l	
Fluorid	1.05 mg/l	1.30 mg/l	-0.25 mg/l	

Minor elements	Value	Ideal value	Difference	Status
Lithium	170.9 µg/l	147.0 µg/l	+23.85 µg/l	
Silicon	53.90 µg/l	86.50 µg/l	-32.60 µg/l	
Iodine	17.41 µg/l	56.22 µg/l	-38.81 µg/l	
Barium	60.48 µg/l	8.65 µg/l	+51.83 µg/l	

Molybdenum	9.64 µg/l	10.38 µg/l	-0.74 µg/l	✓
Nickel	2.36 µg/l	0.43 µg/l	+1.93 µg/l	✓
Manganese	n.u	0.43 µg/l		✓
Arsenic	n.u	1.30 µg/l		✓
Beryllium	n.u	0.09 µg/l		✓
Chrome	n.u	0.43 µg/l		✓
Cobalt	1.45 µg/l	0.09 µg/l	+1.36 µg/l	↗
Iron	n.u	0.43 µg/l		✓
Copper	7.75 µg/l	0.43 µg/l	+7.32 µg/l	↗
Selenium	n.u	0.43 µg/l		✓
Silver	n.u	0.09 µg/l		✓
Vanadium	n.u	1.30 µg/l		↘
Zinc	10.26 µg/l	1.73 µg/l	+8.53 µg/l	↗
Tin	4.25 µg/l	0.43 µg/l	+3.82 µg/l	✓

Nutrients	Value	Ideal value	Difference	Status
Nitrate	3.45 mg/l	2.00 mg/l	+1.45 mg/l	✓
Phosphorus	5.85 µg/l	6.92 µg/l	-1.07 µg/l	✓
Phosphate	0.02 mg/l	0.02 mg/l	+0.00 mg/l	✓

Pollutants	Value	Ideal value	Difference	Status
Aluminium	40.83 µg/l	0.09 µg/l	+40.74 µg/l	✓
Antimony	n.u	0.09 µg/l		✓
Bismuth	n.u	0.09 µg/l		✓

Lead	n.u	0.09 µg/l	✔
Cadmium	n.u	0.17 µg/l	✔
Lanthanum	n.u	n.u µg/l	✔
Thallium	n.u	0.09 µg/l	✔
Titanium	n.u	0.09 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	0,20	ml	2
Iod	Important	Dosage	0,10	ml	2

Additional action: We recommend a salinity of 32 - 37 PSU

ATI RECOMMENDES **Trace metals are elevated, find source (corroding metals/magnets, RO water, salt).**