Tank
Office reef

Net size
500 liter

Reason for analysis
Routine

Barcode
VSYG-W6NL-QKGD-44V4 (ID: 397156)

Created	Arrived in the laboratory	Evaluated
10/13/2026	10/29/2026	10/30/2026



Quality assessment:
The quality of your aquarium water is assessed using the score in the circle. The closer it is to 100, the better the quality. You can also use the bar chart to identify the areas in which problems may occur.

Major elements	78 / 100
Minor elements	86 / 100
Pollutants	100 / 100
Base elements	100 / 100

Results of Salt water

Base elements

Sal. total Salinity	33.94 PSU Ideal value: 35.00 PSU	NORMAL Near nature
KH Carbonate hardness	7.46 °dKH Ideal value: 7.50 °dKH	NORMAL Near nature

Major elements

Cl Chloride	19260 mg/l Ideal value: 19035 mg/l	NORMAL Near nature
Na Sodium	10450 mg/l Ideal value: 10575 mg/l	NORMAL Near nature
Mg Magnesium	1329 mg/l Ideal value: 1264 mg/l	NORMAL Near nature
S Sulfur	882.6 mg/l Ideal value: 874.8 mg/l	NORMAL Near nature
Ca Calcium	419.8 mg/l Ideal value: 404.7 mg/l	NORMAL Near nature
K Potassium	396.7 mg/l Ideal value: 392.2 mg/l	NORMAL Near nature
Br Bromine	83.58 mg/l Ideal value: 64.41 mg/l	ABOVE NORMAL Attention
Sr Strontium	4.39 mg/l Ideal value: 7.79 mg/l	CRITICALLY LOW Critical
B Boron	4.81 mg/l Ideal value: 4.33 mg/l	NORMAL Near nature
F Fluorine	0.64 mg/l Ideal value: 1.25 mg/l	CRITICALLY LOW Critical

Minor elements

Li Lithium	321.7 µg/l Ideal value: 163.4 µg/l	NORMAL Near nature
Si Silicon	71.28 µg/l Ideal value: 96.14 µg/l	NORMAL Near nature
I Iodine	79.84 µg/l Ideal value: 62.49 µg/l	NORMAL Near nature
Ba Barium	7.89 µg/l Ideal value: 9.61 µg/l	NORMAL Near nature
Mo Molybdenum	15.42 µg/l Ideal value: 11.54 µg/l	NORMAL Near nature
Ni Nickel	2.30 µg/l Ideal value: 0.48 µg/l	NORMAL Near nature
Mn Manganese	--- Ideal value: 0.96 µg/l	BELOW NORMAL Attention
As Arsenic	--- Ideal value: 0.48 µg/l	NORMAL Near nature
Be Beryllium	--- Ideal value: 0.10 µg/l	NORMAL Near nature
Cr Chrome	--- Ideal value: 0.48 µg/l	NORMAL Near nature
Co Cobalt	--- Ideal value: 0.10 µg/l	NORMAL Near nature
Fe Iron	--- Ideal value: 0.48 µg/l	BELOW NORMAL Attention
Cu Copper	0.91 µg/l Ideal value: 0.48 µg/l	NORMAL Near nature
Se Selenium	--- Ideal value: 0.48 µg/l	NORMAL Near nature
Ag Silver	--- Ideal value: 0.10 µg/l	NORMAL Near nature
V Vanadium	--- Ideal value: 1.44 µg/l	BELOW NORMAL Attention
Zn Zinc	--- Ideal value: 1.92 µg/l	CRITICALLY LOW Critical
Sn Tin	2.63 µg/l Ideal value: 0.48 µg/l	NORMAL Near nature

Nutrients

NO3 Nitrate	12.83 mg/l Ideal value: 2.00 mg/l	ABOVE NORMAL Attention
P Phosphorus	6.00 µg/l Ideal value: 14.42 µg/l	CRITICALLY LOW Critical
PO4 Phosphate	0.02 mg/l Ideal value: 0.04 mg/l	CRITICALLY LOW Critical

Pollutants

Al. Aluminium	10.26 µg/l Ideal value: 0.10 µg/l	NORMAL Near nature
Sb Antimony	--- Ideal value: 0.10 µg/l	NORMAL Near nature
Bi Bismuth	--- Ideal value: 0.10 µg/l	NORMAL Near nature
Pb Lead	--- Ideal value: 0.10 µg/l	NORMAL Near nature
Cd Cadmium	--- Ideal value: 0.19 µg/l	NORMAL Near nature
La. Lanthanum	--- Ideal value: 0.001 µg/l	NORMAL Near nature
Tl Thallium	--- Ideal value: 0.10 µg/l	NORMAL Near nature
Ti Titanium	--- Ideal value: 0.10 µg/l	NORMAL Near nature
W Tungsten	--- Ideal value: 0.001 µg/l	NORMAL Near nature
Hg Mercury	--- Ideal value: 0.001 µg/l	NORMAL Near nature

Results of Osmosis water

Minor elements

Li Lithium		--- Ideal value: 0.001 µg/l	NORMAL Near nature
Si Silicon		--- Ideal value: 0.001 µg/l	NORMAL Near nature
Ba Barium		--- Ideal value: 0.001 µg/l	NORMAL Near nature
Mo Molybdenum		--- Ideal value: 0.001 µg/l	NORMAL Near nature
Ni Nickel		--- Ideal value: 0.001 µg/l	NORMAL Near nature
Mn Manganese		--- Ideal value: 0.001 µg/l	NORMAL Near nature
As Arsenic		--- Ideal value: 0.001 µg/l	NORMAL Near nature
Be Beryllium		--- Ideal value: 0.001 µg/l	NORMAL Near nature
Cr Chrome		--- Ideal value: 0.001 µg/l	NORMAL Near nature
Co Cobalt		--- Ideal value: 0.001 µg/l	NORMAL Near nature
Fe Iron		--- Ideal value: 0.001 µg/l	NORMAL Near nature
Cu Copper		--- Ideal value: 0.001 µg/l	NORMAL Near nature
Se Selenium		--- Ideal value: 0.001 µg/l	NORMAL Near nature
Ag Silver		--- Ideal value: 0.001 µg/l	NORMAL Near nature
V Vanadium		--- Ideal value: 0.001 µg/l	NORMAL Near nature
Zn Zinc		--- Ideal value: 0.001 µg/l	NORMAL Near nature
Sn Tin		--- Ideal value: 0.001 µg/l	NORMAL Near nature

Nutrients

P Phosphorus		--- Ideal value: 0.001 µg/l	NORMAL Near nature
PO4 Phosphate		--- Ideal value: 0.001 mg/l	NORMAL Near nature

Pollutants

Al. Aluminium	--- Ideal value: 0.001 µg/l	NORMAL Near nature
Sb Antimony	--- Ideal value: 0.001 µg/l	NORMAL Near nature
Bi Bismuth	--- Ideal value: 0.001 µg/l	NORMAL Near nature
Pb Lead	--- Ideal value: 0.001 µg/l	NORMAL Near nature
Cd Cadmium	--- Ideal value: 0.001 µg/l	NORMAL Near nature
La. Lanthanum	--- Ideal value: 0.001 µg/l	NORMAL Near nature
Tl Thallium	--- Ideal value: 0.001 µg/l	NORMAL Near nature
Ti Titanium	--- Ideal value: 0.001 µg/l	NORMAL Near nature
W Tungsten	--- Ideal value: 0.001 µg/l	NORMAL Near nature
Hg Mercury	--- Ideal value: 0.001 µg/l	NORMAL Near nature

Recommendations

The following recommendations were calculated for the aquarium **Office reef** with **500 liters** content.

Recommended actions

Zinc — Important

If the concentrations of chromium, cobalt, iron, copper, manganese, nickel, and zinc in your water are regularly too low, we recommend daily dosing of “Daily Traces A.”

Phosphorus — Important

Dose 5 ml Nutrition P/Phopho per day. Reduce the dose if the home test shows more than 0.03 mg/l PO4.

Fluorine — Important

If the fluoride and iodine content of your water is regularly too low, we recommend daily use of ‘Daily Traces B’.

Bromine — Recommended

Reduce/stop addition of bromide to bring value down to 65-67 mg/l (35 PSU).

Nitrate — Recommended

Nitrate is slightly too high. Improve the filtration and/or reduce the food supply.

Recommended ICP elements dosage

Strontium (Sr) — Recommended

Addition Total: 85.05 ml
Divide the addition into portions: twice 42.52 ml *

Vanadium (V) — Recommended

Addition Total: 1.44 ml
Divide the addition into portions: once 1.44 ml

Zinc (Zn) — Recommended

Addition Total: 0.96 ml
Divide the addition into portions: once 0.96 ml

Manganese (Mn) — Recommended

Addition Total: 1.2 ml
Divide the addition into portions: once 1.2 ml

Iron (Fe) — Recommended

Addition Total: 0.6 ml
Divide the addition into portions: once 0.6 ml

Fluorine (F) — Recommended

Addition Total: 152.44 ml
Divide the addition into portions: three times 50.81 ml *

* Only one portion should be dosed per day.

Recommended supplement dosage

Strontium (Sr) — Recommended

Addition Total: 173.5 ml
Divide the addition into portions: twice 86.75 ml *

Vanadium (V) — Recommended

Addition Total: 3.61 ml
Divide the addition into portions: twice 1.8 ml *

Zinc (Zn) — Recommended

Addition Total: 4.81 ml
Divide the addition into portions: once 4.81 ml

Manganese (Mn) — Recommended

Addition Total: 2.4 ml
Divide the addition into portions: once 2.4 ml

Iron (Fe) — Recommended

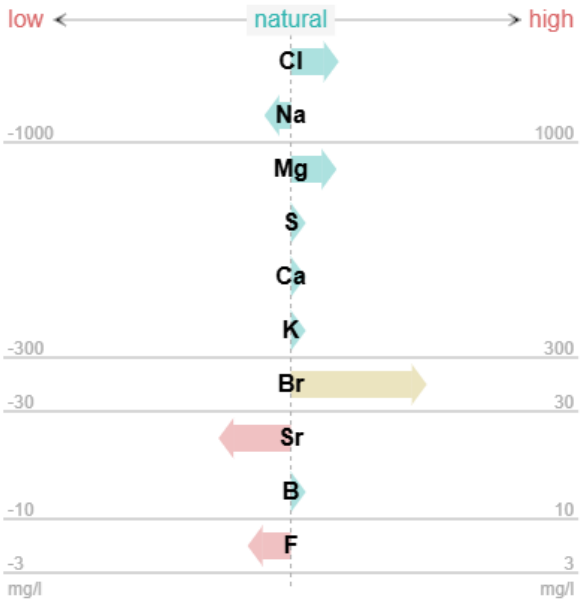
Addition Total: 1.2 ml
Divide the addition into portions: five times 0.24 ml *

Fluorine (F) — Recommended

Addition Total: 152.44 ml
Divide the addition into portions: three times 50.81 ml *

* Only one portion should be dosed per day.

Diagrams



Composition of the aquarium water

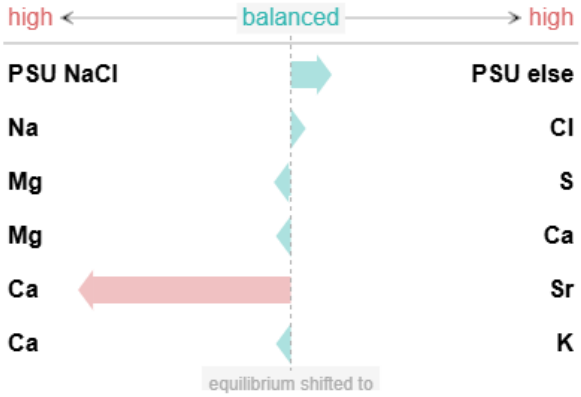
The diagram shows whether the concentrations of the major elements in your water sample match the measured salinity or whether individual elements are increased or reduced. Note the different concentration ranges on the x-axis.

Background: Natural seawater consists of the same elements in fixed proportions. Only the concentrations of the elements increase or decrease in proportion to salinity. That is why the ideal values also change with salinity.

Green arrow
Value is relatively natural.

Yellow arrow
Value is becoming increasingly unnatural.

Red arrow
Value unnatural.



Element ratios

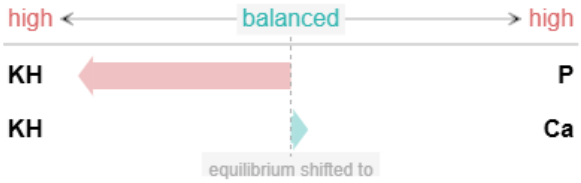
This chart shows whether the element supply is appropriate or whether the ratios of certain element pairs are skewed due to an imbalanced supply. The arrow points in the direction of the element with increased concentration. Only the relationship between the elements is evaluated. The evaluation of the individual measured values may vary.

Background: The reef inhabitants remove various elements from the aquarium water. To compensate for this consumption and obtain water that is true to nature, water changes are carried out and water additives are used. This does not always work as needed.

Green Arrow
Relationship close to nature.

Yellow arrow
Ratio slightly shifted.

Red arrow
Ratio shifted drastically.



Growth Factors

This diagram shows whether important growth factors are in balance or out of proportion. The arrow points in the direction of the factor with increased concentration. Only the relationship between the factors is evaluated. The evaluation of the individual measured values may vary.

Background: The most important growth factors include carbonate hardness, calcium concentration and phosphorus content. When these values are slightly increased, growth is usually encouraged, while greatly increased or reduced values slow growth. If there is an imbalance between these factors, it can adversely affect coral growth and, in the worst case, lead to tissue necrosis.

Green arrow
Balance between factors OK.

Yellow arrow
Factors increasingly disproportionate to one another.

Red arrow
Factors in disproportion to one another.