

Article

Is Aquaponics Beneficial in Terms of Fish and Plant Growth and Water Quality in Comparison to Separate Recirculating Aquaculture and Hydroponic Systems?

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Supplementary materials

Supplementary Table S1. Limits of detection (LOD), limits of quantification (LOQ) for micronutrients (mg/kg dm) Fe, Cu, Mn, Zn, B and macronutrients (g/kg dm) N, P, K, Ca, Mg, S for ICP-OES and ICP -OES methods.

Element	LOD		LOQ	
B	1.90	mg/kg	5.80	mg/kg
Ca	0.30	g/kg	0.80	g/kg
Cu	1.70	mg/kg	5.00	mg/kg
Fe	1.70	mg/kg	5.00	mg/kg
K	0.20	g/kg	0.70	g/kg
Mg	0.03	g/kg	0.10	g/kg
Mn	1.00	mg/kg	2.70	mg/kg
P	0.03	g/kg	0.10	g/kg
Zn	7.10	mg/kg	20.00	mg/kg
N	0.70	g/kg	1.60	g/kg
S	0.07	g/kg	0.20	g/kg

Supplementary Table S2. Limits of detection (LOD), limits of quantification (LOQ), and linearity (R₂) of selected standard solutions (1-100 mg/L) for HPIC analysis of anions.

Anion	LOD	LOQ	Linearity (R ₂)
CL ⁻	0.05	0.10	0.99
NO ₂ ⁻	0.13	0.14	0.99
NO ₃ ⁻	0.10	0.18	0.99
SO ₄ ²⁻	0.05	0.06	0.99
PO ₄ ³⁻	0.02	0.02	0.99