

Assessment of heavy metal pollution in the sediment of main tributaries of Dongting Lake, China

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Table s1 Digestion method of heavy metal measurement in the sediment of rivers for comparison.

River	Digestion method	Sample weights	Acids use in the digestion procedure
Dongting Lake branches	Microwave digestion	0.5g	20mL HNO ₃ +HClO ₄ +HF(1:1:2)
Yangtze River	Microwave digestion	0.1g	2ml HF, 5ml HClO ₄ +HNO ₃ (1:1), 5ml HCl
Yellow River	Microwave digestion	0.5g	5 mL aqua regia (HNO ₃ :HCl = 1:3) and 3 mL HClO ₄
Liaohe River	Microwave digestion	0.5g	20mL HNO ₃ +HClO ₄ +HF(1:1:2)
Korotoa River	Microwave digestion	0.5g	5mL 69% HNO ₃ and 2mL 30% H ₂ O ₂
Tajan River	Microwave digestion	1g	HNO ₃ (8 ml), HClO ₄ (5 ml) and HF (3 ml)
Tigris River	Microwave digestion	0.25g	12 ml HNO ₃ (65%):HCl (37%) (3:1)
Daube River	Microwave digestion	0.5g	12.5ml HNO ₃ (65%)/H ₂ O (3:2)
Kafue River	Microwave digestion	0.5g	7 mL of 72% HNO ₃ and 1 mL of 30% H ₂ O ₂