

Coastal Sediment

Art. ID	IAEA-456
Unit	15 g
Deliverydetails	No Dangerous Good /not restricted

Description

The sediment material was collected in New Caledonia, immediately frozen and then freeze dried. The sediment was first sieved at 500 µm, ground, and then sieved at 125 µm followed by mechanical homogenization of the collected fraction. The sieving cut-off value (125 µm) was selected to ensure that the physical properties of the material are sufficiently uniform, whilst retaining sufficient material to make an adequate number of units. Aliquots of about 15 g were packed into amber glass bottles with polyethylene caps and sealed in plastic bags. The sample material was labeled IAEA-456.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
	Aluminium (Al)	[7429-90-5]	55,4	g/kg		
	Arsenic (As)	[7440-38-2]	6,14	mg/kg		
	Cadmium (Cd)	[7440-43-9]	0,198	mg/kg		
	Cobalt (Co)	[7440-48-4]	47,2	mg/kg		
	Chromium (Cr)	[7440-47-3]	589	mg/kg		
	Copper (Cu)	[7440-50-8]	44,6	mg/kg		
	Iron (Fe)	[7439-89-6]	49,5	g/kg		
	Mercury (Hg)	[7439-97-6]	0,077	mg/kg		
	CH ₃ Hg		0,125	µg/kg as H g		
	Manganese (Mn)	[7439-96-5]	825	mg/kg		
	Nickel (Ni)	[7440-02-0]	760	mg/kg		
	Lead (Pb)	[7439-92-1]	33,4	mg/kg		
	Vanadium (V)	[7440-62-2]	223	mg/kg		
	Zinc (Zn)	[7440-66-6]	203	mg/kg		