

## Lake Sediment

Art. ID NIES-31  
Unit 20 g  
Deliverydetails No Dangerous Good /not restricted

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
Certified value	Sodium (Na)	[7440-23-5]	0,882 ± 0,063		AAS,ICP-OE S,INAA,XRF	
Certified value	Aluminium (Al)	[7429-90-5]	9,17 ± 0,86		AAS,ICP-OE S,ICP-MS,I NAA,XRF	
Certified value	Calcium (Ca)	[7440-70-2]	1,25 ± 0,12		ICP-OES,IC P-MS,XRF	
Certified value	Titanium (Ti)	[7440-32-6]	0,442 ± 0,044		ICP-OES,IC P-MS,XRF	
Certified value	Iron (Fe)	[7439-89-6]	5,38 ± 0,55		ICP-OES,IC P-MS,INAA, XRF	
Certified value	Phosphorus (P)	[7723-14-0]	925 ± 60		AAS,ICP-OE S,XRF	
Certified value	Vanadium (V)	[7440-62-2]	154 ± 11		ICP-OES,IC P-MS,INAA	
Certified value	Chromium (Cr)	[7440-47-3]	43,3 ± 3		ICP-OES,IC P-MS,INAA, XRF	
Certified value	Manganese (Mn)	[7439-96-5]	978 ± 92		ICP-OES,IC P-MS,INAA, XRF	
Certified value	Nickel (Ni)	[7440-02-0]	25,3 ± 2,8		ICP-OES,IC P-MS	
Certified value	Copper (Cu)	[7440-50-8]	53,1 ± 4,6		ICP-OES,IC P-MS,INAA, XRF	
Certified value	Zinc (Zn)	[7440-66-6]	121 ± 13		ICP-OES,IC P-MS,INAA, XRF	
Certified value	Lead (Pb)	[7439-92-1]	25,1 ± 2,5		ICP-OES,IC	

Reference value	Magnesium (Mg)	[7439-95-4]	0,836 ± 0,068	P-MS AAS,ICP-OE S,ICP-MS,I NAA,XRF
Reference value	Potassium (K)	[7440-09-7]	0,991 ± 0,134	AAS,ICP-OE S,ICP-MS,I NAA,XRF
Reference value	Scandium (Sc)	[7440-20-2]	19,1 ± 3,4	ICP-OES,IC P-MS,INAA
Reference value	Cobalt (Co)	[7440-48-4]	18,1 ± 1,9	ICP-OES,IC P-MS,INAA
Reference value	Arsenic (As)	[7440-38-2]	13,9 ± 1,5	ICP-MS,INA A
Reference value	Strontium (Sr)	[7440-24-6]	125 ± 14	ICP-OES,IC P-MS,XRF
Reference value	Barium (Ba)	[7440-39-3]	338 ± 49	ICP-OES,IC P-MS,INAA, XRF
Reference value	Lanthanum (La)	[7439-91-0]	20,4 ± 2,2	ICP-OES,IC P-MS,INAA
Reference value	Cadmium (Cd)	[7440-43-9]	0,342 ± 0,043	ICP-MS,ID- ICP-MS
HCl/HNO <sub>3</sub> /HClO <sub>4</sub> extract, Certified value	Vanadium (V)	[7440-62-2]	133 ± 23	ICP-OES,IC P-MS
HCl/HNO <sub>3</sub> /HClO <sub>4</sub> extract, Certified value	Manganese (Mn)	[7439-96-5]	881 ± 85	AAS,ICP-OE S,ICP-MS
HCl/HNO <sub>3</sub> /HClO <sub>4</sub> extract, Certified value	Nickel (Ni)	[7440-02-0]	22,2 ± 2,3	ICP-OES,IC P-MS
HCl/HNO <sub>3</sub> /HClO <sub>4</sub> extract, Certified value	Copper (Cu)	[7440-50-8]	50,6 ± 8,1	ICP-OES,IC P-MS
HCl/HNO <sub>3</sub> /HClO <sub>4</sub> extract, Certified value	Zinc (Zn)	[7440-66-6]	110 ± 13	AAS,ICP-OE S,ICP-MS
HCl/HNO <sub>3</sub> /HClO <sub>4</sub> extract, Certified value	Lead (Pb)	[7439-92-1]	22 ± 3	ICP-OES,IC P-MS
HCl/HNO <sub>3</sub> /HClO <sub>4</sub> extract, Reference value	Chromium (Cr)	[7440-47-3]	33,7 ± 6,1	ICP-OES,IC P-MS
HCl/HNO <sub>3</sub> /HClO <sub>4</sub> extract, Reference value	Cadmium (Cd)	[7440-43-9]	0,285 ± 0,067	ICP-OES,IC P-MS

