

Quality control material - River sediment 1 (metals)

Art. ID AP-METRANAL-1
Unit 80 g
Deliverydetails No Dangerous Good /not restricted

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
Dry mass at 105 °C	Silver (Ag)	[7440-22-4]	3,1 ± 0,38	mg/kg	Total samp le decompo sition	
Dry mass at 105 °C	Arsenic (As)	[7440-38-2]	29 ± 2	mg/kg	Total samp le decompo sition	
Dry mass at 105 °C	Barium (Ba)	[7440-39-3]	522 ± 104	mg/kg	Total samp le decompo sition	
Dry mass at 105 °C	Beryllium (Be)	[7440-41-7]	2,65 ± 0,8	mg/kg	Total samp le decompo sition	
Dry mass at 105 °C	Bismuth (Bi)	[7440-69-9]	0,72 ± 0,14	mg/kg	Total samp le decompo sition	
Dry mass at 105 °C	Cadmium (Cd)	[7440-43-9]	3,1 ± 0,68	mg/kg	Total samp le decompo sition	
Dry mass at 105 °C	Cobalt (Co)	[7440-48-4]	15,6 ± 1,4	mg/kg	Total samp le decompo sition	
Dry mass at 105 °C	Chromium (Cr)	[7440-47-3]	118 ± 12	mg/kg	Total samp le decompo sition	
Dry mass at 105 °C	Copper (Cu)	[7440-50-8]	97 ± 10	mg/kg	Total samp le decompo sition	
Dry mass at 105 °C	Mercury (Hg)	[7439-97-6]	1,3 ± 0,1	mg/kg	Total samp le decompo sition	
Dry mass at 105 °C	Manganese (Mn)	[7439-96-5]	1370 ± 140	mg/kg	Total samp	

					le decompo sition
Dry mass at 105 °C	Molybdenum (Mo)	[7439-98-7]	1,13 ± 0,12	mg/kg	Total samp le decompo sition
Dry mass at 105 °C	Nickel (Ni)	[7440-02-0]	45 ± 8,2	mg/kg	Total samp le decompo sition
Dry mass at 105 °C	Lead (Pb)	[7439-92-1]	93,2 ± 10	mg/kg	Total samp le decompo sition
Dry mass at 105 °C	Antimony (Sb)	[7440-36-0]	2,52 ± 0,5	mg/kg	Total samp le decompo sition
Dry mass at 105 °C	Selenium (Se)	[7782-49-2]	1,02 ± 0,2	mg/kg	Total samp le decompo sition
Dry mass at 105 °C	Tin (Sn)	[7440-31-5]	8,75 ± 1,74	mg/kg	Total samp le decompo sition
Dry mass at 105 °C	Vanadium (V)	[7440-62-2]	73 ± 10,2	mg/kg	Total samp le decompo sition
Dry mass at 105 °C	Zinc (Zn)	[7440-66-6]	520 ± 68	mg/kg	Total samp le decompo sition
Dry mass at 105 °C	Silver (Ag)	[7440-22-4]	2,5 ± 0,32	mg/kg	Aqua regia extractio n accordin g to ISO 1 1466 (1995)
Dry mass at 105 °C	Arsenic (As)	[7440-38-2]	24,1 ± 3,2	mg/kg	Aqua regia extractio n accordin g to ISO 1 1466 (1995)

Dry mass at 105 °C	Barium (Ba)	[7440-39-3]	275 ± 22	mg/kg	Aqua regia extractio n accordin g to ISO 1 1466 (1995)
Dry mass at 105 °C	Beryllium (Be)	[7440-41-7]	1,58 ± 0,32	mg/kg	Aqua regia extractio n accordin g to ISO 1 1466 (1995)
Dry mass at 105 °C	Bismuth (Bi)	[7440-69-9]	0,69 ± 0,14	mg/kg	Aqua regia extractio n accordin g to ISO 1 1466 (1995)
Dry mass at 105 °C	Cadmium (Cd)	[7440-43-9]	2,66 ± 0,54	mg/kg	Aqua regia extractio n accordin g to ISO 1 1466 (1995)
Dry mass at 105 °C	Cobalt (Co)	[7440-48-4]	12,5 ± 1,5	mg/kg	Aqua regia extractio n accordin g to ISO 1 1466 (1995)
Dry mass at 105 °C	Chromium (Cr)	[7440-47-3]	93 ± 14	mg/kg	Aqua regia extractio n accordin g to ISO 1 1466 (1995)
Dry mass at 105 °C	Copper (Cu)	[7440-50-8]	91,2 ± 8	mg/kg	Aqua regia extractio

					n according to ISO 1466 (1995)
Dry mass at 105 °C	Mercury (Hg)	[7439-97-6]	1,19 ± 0,15	mg/kg	Aqua regia extraction according to ISO 1466 (1995)
Dry mass at 105 °C	Manganese (Mn)	[7439-96-5]	1330 ± 106	mg/kg	Aqua regia extraction according to ISO 1466 (1995)
Dry mass at 105 °C	Molybdenum (Mo)	[7439-98-7]	0,97 ± 0,02	mg/kg	Aqua regia extraction according to ISO 1466 (1995)
Dry mass at 105 °C	Nickel (Ni)	[7440-02-0]	35,4 ± 5	mg/kg	Aqua regia extraction according to ISO 1466 (1995)
Dry mass at 105 °C	Lead (Pb)	[7439-92-1]	82,4 ± 16,4	mg/kg	Aqua regia extraction according to ISO 1466 (1995)
Dry mass at 105 °C	Antimony (Sb)	[7440-36-0]	1,73 ± 0,34	mg/kg	Aqua regia extraction according to ISO 1466 (1995)

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Dry mass at 105 °C	Selenium (Se)	[7782-49-2]	0,74 ± 0,14	mg/kg	Aqua regia extractio n accordin g to ISO 1 1466 (1995)
Dry mass at 105 °C	Tin (Sn)	[7440-31-5]	7,37 ± 1,48	mg/kg	Aqua regia extractio n accordin g to ISO 1 1466 (1995)
Dry mass at 105 °C	Vanadium (V)	[7440-62-2]	43,2 ± 5,6	mg/kg	Aqua regia extractio n accordin g to ISO 1 1466 (1995)
Dry mass at 105 °C	Zinc (Zn)	[7440-66-6]	465 ± 64	mg/kg	Aqua regia extractio n accordin g to ISO 1 1466 (1995)