



S2 PICOFOX - TRACE ELEMENT ANALYSIS

Listed at 16.12.2021 10:46:06

User: Administrator
Project: Messung Martin+ Sayed.rtx
ID-No.:
Quant. type: Liquid
Meas.date: 13.12.2021 16:32:01
Count rate: 83042 cps
Voltage: 50 kV
Excitation: Mo K radiation
Filter: Mo 9,00 µm

Serial number: 42 235 1214
Sample: 11
Disc:
Spectrum: 11_14@161221_080843
Live time: 1000 s
Dead time: 19,4 %
Current: 600 µA
Anode: Mo
Optic: Monochromator 17,500

Method: Martin_Bubbles (Profile bayes optimized fit)

Comment:

Element	Line	Conc./ mg/l	Sigma/ mg/l	RSD/ %	LLD/ mg/l	Net area	Backgr.	Chi
Ca	K12	86,965	0,086	0,1	0,035	1828566	61025	116,06
Zn	K12	0,702	0,003	0,4	0,003	119094	32411	33,99
As	K12	Not det.			0,003	1	64314	463,75
Se (IS)	K12	10,000	0,009	0,1	0,005	2511693	140101	224,17
Sr	K12	0,161	0,003	1,6	0,005	47080	252358	142,07
Y	K12	114,811	0,047	0,0	0,008	30728280	507983	4420,72
Ba	L1	60,217	0,092	0,2	0,104	979218	319799	614,71
La	L1	53,517	0,085	0,2	0,110	1050478	513954	136,56
Tb	L1	22,966	0,027	0,1	0,022	1448935	205725	761,30
Bi	L1	11,643	0,011	0,1	0,006	2053439	127357	93,66