



S2 PICOFOX - TRACE ELEMENT ANALYSIS

Listed at 16.12.2021 10:46:16

User: Administrator
Project: Messung Martin+ Sayed.rtx
ID-No.:
Quant. type: Liquid
Meas.date: 13.12.2021 17:16:39
Count rate: 89059 cps
Voltage: 50 kV
Excitation: Mo K radiation
Filter: Mo 9,00 µm

Serial number: 42 235 1214
Sample: 13
Disc:
Spectrum: 13_16@161221_080844
Live time: 1000 s
Dead time: 20,8 %
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	62,347	0,070	0,1	0,032	1313773	51896	94,22
Zn	K12	0,240	0,002	0,8	0,003	40868	31517	13,66
As	K12	Not det.			0,003	1	66536	489,39
Se (IS)	K12	10,000	0,009	0,1	0,005	2517152	144635	210,42
Sr	K12	Not det.			0,005	1	279455	96,25
Y	K12	132,554	0,052	0,0	0,008	35554052	552511	5819,90
Ba	L1	38,786	0,076	0,2	0,098	632086	286063	1832,84
La	L1	68,872	0,092	0,1	0,105	1354817	471677	190,04
Tb	L1	25,867	0,028	0,1	0,022	1635488	208186	550,36
Bi	L1	12,383	0,012	0,1	0,006	2188666	131898	108,16