



S2 PICOFOX - TRACE ELEMENT ANALYSIS

Listed at 16.12.2021 10:46:00

User: Administrator
Project: Messung Martin+ Sayed.rtx
ID-No.:
Quant. type: Liquid
Meas.date: 13.12.2021 15:41:27
Count rate: 106595 cps
Voltage: 50 kV
Excitation: Mo K radiation
Filter: Mo 9,00 µm

Serial number: 42 235 1214
Sample: 9
Disc:
Spectrum: 9_12@161221_080842
Live time: 1000 s
Dead time: 24,5 %
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	20,829	0,045	0,2	0,037	344439	41997	49,12
Zn	K12	0,215	0,003	1,1	0,004	28727	37609	7,39
As	K12	Not det.			0,004	1	68943	201,04
Se (IS)	K12	10,000	0,010	0,1	0,005	1975351	124287	120,28
Sr	K12	Not det.			0,008	16	360346	133,75
Y	K12	224,023	0,088	0,0	0,011	47154526	650669	5513,49
Ba	L1	83,59	0,13	0,2	0,15	1069000	416607	1468,15
La	L1	107,98	0,14	0,1	0,16	1666899	680295	202,41
Tb	L1	42,687	0,043	0,1	0,032	2118028	278330	734,27
Bi	L1	12,199	0,013	0,1	0,007	1692111	118574	53,24