



S2 PICOFOX - TRACE ELEMENT ANALYSIS

Listed at 16.12.2021 10:46:03

User: Administrator
Project: Messung Martin+ Sayed.rtx
ID-No.:
Quant. type: Liquid
Meas.date: 13.12.2021 16:07:22
Count rate: 136346 cps
Voltage: 50 kV
Excitation: Mo K radiation
Filter: Mo 9,00 µm

Serial number: 42 235 1214
Sample: 10
Disc:
Spectrum: 10_13@161221_080842
Live time: 1000 s
Dead time: 30,9 %
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	41,899	0,062	0,1	0,042	749762	63141	86,37
Zn	K12	0,256	0,003	1,0	0,005	37014	46064	11,93
As	K12	Not det.			0,004	1	65284	364,46
Se (IS)	K12	10,000	0,010	0,1	0,005	2137574	131493	276,52
Sr	K12	0,195	0,004	2,0	0,008	48731	460699	250,43
Y	K12	267,73	0,10	0,0	0,01	60983530	828292	13708,69
Ba	L1	124,54	0,15	0,1	0,17	1723558	579601	1258,78
La	L1	118,67	0,15	0,1	0,17	1982371	938007	295,15
Tb	L1	49,264	0,046	0,1	0,034	2645102	371257	1471,26
Bi	L1	12,281	0,013	0,1	0,007	1843347	119853	123,19