



## S2 PICOFOX - TRACE ELEMENT ANALYSIS

Listed at 16.12.2021 10:46:19

User: Administrator  
Project: Messung Martin+ Sayed.rtx  
ID-No.:  
Quant. type: Liquid  
Meas.date: 13.12.2021 17:38:15  
Count rate: 80641 cps  
Voltage: 50 kV  
Excitation: Mo K radiation  
Filter: Mo 9,00 µm

Serial number: 42 235 1214  
Sample: 14  
Disc:  
Spectrum: 14\_17@161221\_080844  
Live time: 1000 s  
Dead time: 18,8 %  
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	76,025	0,079	0,1	0,034	1588450	54993	107,21
Zn	K12	0,147	0,002	1,2	0,003	24834	29886	6,85
As	K12	Not det.			0,003	1	65074	474,99
Se (IS)	K12	10,000	0,009	0,1	0,005	2495865	142371	212,48
Sr	K12	Not det.			0,005	1	240771	70,82
Y	K12	113,216	0,046	0,0	0,008	30110454	498234	4279,55
Ba	L1	34,100	0,072	0,2	0,096	551019	268905	2379,93
La	L1	70,961	0,093	0,1	0,103	1384113	448053	145,59
Tb	L1	26,058	0,028	0,1	0,021	1633617	191156	390,75
Bi	L1	12,332	0,012	0,1	0,006	2161233	129737	90,61