



## S2 PICOFOX - TRACE ELEMENT ANALYSIS

Listed at 16.12.2021 10:45:49

User: Administrator  
Project: Messung Martin+ Sayed.rtx  
ID-No.:  
Quant. type: Liquid  
Meas.date: 13.12.2021 14:03:44  
Count rate: 129065 cps  
Voltage: 50 kV  
Excitation: Mo K radiation  
Filter: Mo 9,00 µm

Serial number: 42 235 1214  
Sample: 5  
Disc:  
Spectrum: 5\_8@161221\_080840  
Live time: 1000 s  
Dead time: 29,3 %  
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	30,071	0,055	0,2	0,043	512989	60251	67,76
Zn	K12	1,149	0,004	0,4	0,005	158133	57006	40,28
As	K12	Not det.			0,004	1	63007	332,65
Se (IS)	K12	10,000	0,010	0,1	0,005	2037796	124302	150,51
Sr	K12	0,130	0,004	3,1	0,008	30813	423148	224,14
Y	K12	256,56	0,10	0,0	0,01	55710465	757349	7506,04
Ba	L1	121,75	0,16	0,1	0,18	1606260	657761	2733,92
La	L1	172,84	0,18	0,1	0,20	2752569	1081355	254,58
Tb	L1	66,861	0,058	0,1	0,038	3422406	421389	893,27
Bi	L1	12,803	0,013	0,1	0,007	1832052	115234	71,94