



## S2 PICOFOX - TRACE ELEMENT ANALYSIS

Listed at 16.12.2021 10:46:09

User: Administrator  
Project: Messung Martin+ Sayed.rtx  
ID-No.:  
Quant. type: Liquid  
Meas.date: 13.12.2021 16:53:13  
Count rate: 58164 cps  
Voltage: 50 kV  
Excitation: Mo K radiation  
Filter: Mo 9,00 µm

Serial number: 42 235 1214  
Sample: 12  
Disc:  
Spectrum: 12\_15@161221\_080843  
Live time: 1000 s  
Dead time: 13,9 %  
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	56,316	0,069	0,1	0,032	1068876	41141	69,16
Zn	K12	0,230	0,002	0,8	0,003	35183	23711	8,03
As	K12	Not det.			0,003	1	56226	403,96
Se (IS)	K12	10,000	0,009	0,1	0,005	2267246	123983	131,88
Sr	K12	0,130	0,002	1,8	0,005	34346	165356	88,03
Y	K12	79,258	0,036	0,0	0,007	19148309	356522	2045,42
Ba	L1	44,481	0,083	0,2	0,101	652941	243285	583,48
La	L1	49,683	0,084	0,2	0,106	880318	393474	79,84
Tb	L1	20,106	0,026	0,1	0,021	1145049	153606	360,06
Bi	L1	11,525	0,012	0,1	0,006	1834823	113479	56,17