



## S2 PICOFOX - TRACE ELEMENT ANALYSIS

Listed at 16.12.2021 10:45:52

User: Administrator  
Project: Messung Martin+ Sayed.rtx  
ID-No.:  
Quant. type: Liquid  
Meas.date: 13.12.2021 14:27:49  
Count rate: 165624 cps  
Voltage: 50 kV  
Excitation: Mo K radiation  
Filter: Mo 9,00 µm

Serial number: 42 235 1214  
Sample: 6  
Disc:  
Spectrum: 6\_9@161221\_080841  
Live time: 1000 s  
Dead time: 36,9 %  
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	27,591	0,053	0,2	0,046	454162	62349	63,62
Zn	K12	0,125	0,003	2,1	0,005	16557	52680	5,88
As	K12	Not det.			0,004	1	63636	285,04
Se (IS)	K12	10,000	0,010	0,1	0,005	1966255	122456	208,32
Sr	K12	Not det.			0,010	16	577241	218,67
Y	K12	375,34	0,14	0,0	0,01	78640983	1013589	14053,36
Ba	L1	136,10	0,17	0,1	0,19	1732559	666748	2382,64
La	L1	171,94	0,19	0,1	0,20	2642152	1089436	382,27
Tb	L1	67,755	0,059	0,1	0,041	3346381	447663	1351,13
Bi	L1	11,584	0,013	0,1	0,007	1599352	111931	84,29