



## S2 PICOFOX - TRACE ELEMENT ANALYSIS

Listed at 12.01.2022 13:37:53

User: Administrator  
Project: Messung Martin220106.rtx  
ID-No.:  
Quant. type: Liquid  
Meas.date: 06.01.2022 15:45:26  
Count rate: 78152 cps  
Voltage: 50 kV  
Excitation: Mo K radiation  
Filter: Mo 9,00 µm

Serial number: 42 235 1214  
Sample: LAB2  
Disc:  
Spectrum: LAB2\_9  
Live time: 1000 s  
Dead time: 17,9 %  
Current: 600 µA  
Anode: Mo  
Optic: Monochromator 17,500

Method: LAP\_Nala (Profile bayes optimized fit)

Comment:

Element	Line	Conc./ mg/l	Sigma/ mg/l	RSD/ %	LLD/ mg/l	Net area	Backgr.	Chi
Al	K12	Not det.			2	1	26145	23,24
P	K12	150,99	0,44	0,3	0,48	203141	45988	18,22
Cl	K12	Not det.			0,18	1	55196	8,05
Fe	K12	Not det.			0,03	14	417056	1127,04
Se (IS)	K12	10,000	0,010	0,1	0,004	1689291	49866	50,75
Y	K12	0,191	0,003	1,4	0,005	34393	99518	16,33
Ba	L1	Not det.			0,221	1	649948	3514,44
La	L1	801,60	0,49	0,1	0,30	10582516	1737658	3345,01
Ce	L1	304,16	0,28	0,1	0,31	4803322	2648595	1541,98
Tb	L1	285,17	0,16	0,1	0,05	12100377	523773	389,34
Bi	L1	8,931	0,011	0,1	0,005	1059384	46188	12,56
Th	L1	0,179	0,003	1,5	0,005	18646	27863	163,55