



S2 PICOFOX - TRACE ELEMENT ANALYSIS

Listed at 12.01.2022 13:37:26

User: Administrator
Project: Messung Martin220106.rtx
ID-No.:
Quant. type: Liquid
Meas.date: 06.01.2022 15:24:24
Count rate: 79292 cps
Voltage: 50 kV
Excitation: Mo K radiation
Filter: Mo 9,00 µm

Serial number: 42 235 1214
Sample: LAB1
Disc:
Spectrum: LAB1_8
Live time: 1000 s
Dead time: 18,0 %
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.			1	1	27070	23,98
P	K12	110,24	0,32	0,3	0,37	196514	47847	16,22
Cl	K12	Not det.			0,14	1	59290	9,32
Fe	K12	Not det.			0,02	5	390452	1061,30
Se (IS)	K12	10,000	0,009	0,1	0,004	2238176	73650	63,44
Y	K12	Not det.			0,004	1	100903	155,05
Ba	L1	Not det.			0,162	1	614547	3314,09
La	L1	571,57	0,32	0,1	0,22	9997610	1642725	3217,91
Ce	L1	216,11	0,19	0,1	0,23	4521787	2503689	1482,29
Tb	L1	203,00	0,10	0,0	0,04	11412601	490821	334,32
Bi	L1	9,493	0,010	0,1	0,005	1491921	68822	17,49
Th	L1	0,084	0,003	3,0	0,005	11571	53448	125,32