



S2 PICOFOX - TRACE ELEMENT ANALYSIS

Listed at 12.01.2022 13:38:11

User: Administrator
Project: Messung Martin220106.rtx
ID-No.:
Quant. type: Liquid
Meas.date: 06.01.2022 16:06:16
Count rate: 86884 cps
Voltage: 50 kV
Excitation: Mo K radiation
Filter: Mo 9,00 µm

Serial number: 42 235 1214
Sample: Lab3
Disc:
Spectrum: Lab3_10
Live time: 1000 s
Dead time: 19,8 %
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 | 27610 | 16,59 |
| P | K12 | 123,00 | 0,36 | 0,3 | 0,41 | 196731 | 48714 | 17,58 |
| Cl | K12 | Not det. | | | 0,15 | 1 | 57904 | 10,16 |
| Fe | K12 | Not det. | | | 0,03 | 11 | 446706 | 1200,16 |
| Se (IS) | K12 | 10,000 | 0,009 | 0,1 | 0,004 | 2008249 | 58968 | 63,66 |
| Y | K12 | 0,220 | 0,003 | 1,1 | 0,005 | 47039 | 109044 | 23,37 |
| Ba | L1 | Not det. | | | 0,193 | 1 | 697553 | 3826,35 |
| La | L1 | 725,06 | 0,40 | 0,1 | 0,26 | 11379456 | 1871622 | 3472,44 |
| Ce | L1 | 276,85 | 0,23 | 0,1 | 0,27 | 5197497 | 2856210 | 1573,77 |
| Tb | L1 | 257,31 | 0,13 | 0,0 | 0,04 | 12979879 | 560931 | 431,52 |
| Bi | L1 | 8,889 | 0,010 | 0,1 | 0,005 | 1253464 | 54367 | 16,04 |
| Th | L1 | 0,120 | 0,002 | 2,0 | 0,005 | 14861 | 34122 | 184,38 |