



S2 PICOFOX - TRACE ELEMENT ANALYSIS

Listed at 16.12.2021 10:45:42

User: Administrator
Project: Messung Martin+ Sayed.rtx
ID-No.:
Quant. type: Liquid
Meas.date: 13.12.2021 12:56:45
Count rate: 230976 cps
Voltage: 50 kV
Excitation: Mo K radiation
Filter: Mo 9,00 µm

Serial number: 42 235 1214
Sample: 3
Disc:
Spectrum: 3_6@161221_080839
Live time: 1000 s
Dead time: 49,7 %
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 | 0,315 | 0,026 | 8,2 | 0,054 | 3790 | 46106 | 1,19 |
| Zn | K12 | Not det. | | | 0,008 | 1 | 63216 | 11,55 |
| As | K12 | Not det. | | | 0,005 | 1 | 60818 | 195,22 |
| Se (IS) | K12 | 10,000 | 0,012 | 0,1 | 0,007 | 1437569 | 107837 | 400,98 |
| Sr | K12 | Not det. | | | 0,017 | 1 | 856755 | 462,75 |
| Y | K12 | 799,72 | 0,32 | 0,0 | 0,02 | 122504292 | 1515695 | 50765,88 |
| Ba | L1 | 204,99 | 0,26 | 0,1 | 0,28 | 1907948 | 738494 | 3084,58 |
| La | L1 | 270,13 | 0,29 | 0,1 | 0,29 | 3034780 | 1211761 | 875,73 |
| Tb | L1 | 106,336 | 0,094 | 0,1 | 0,061 | 3839751 | 539707 | 2729,02 |
| Bi | L1 | 11,327 | 0,015 | 0,1 | 0,009 | 1143346 | 96013 | 171,13 |