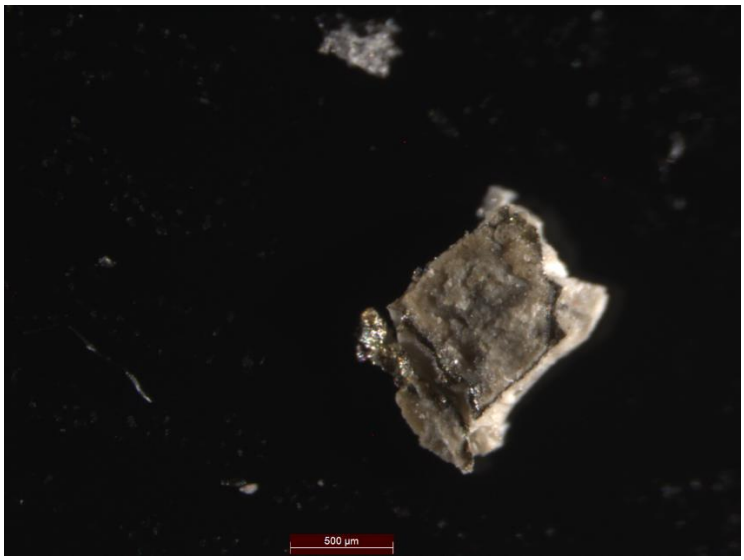
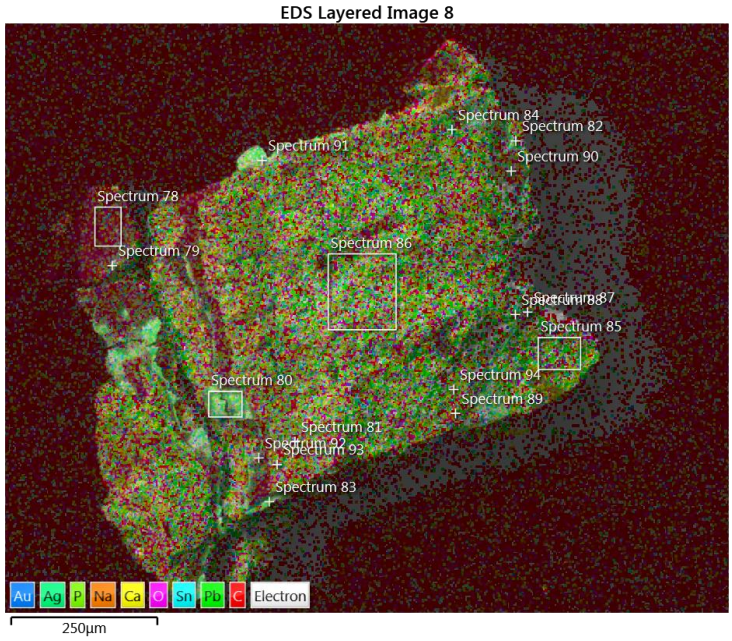
Lisa 1 – Proovi KOER 1 analüüsitulemused.

Analüüsitud Tartus dr Signe Vahuri poolt.

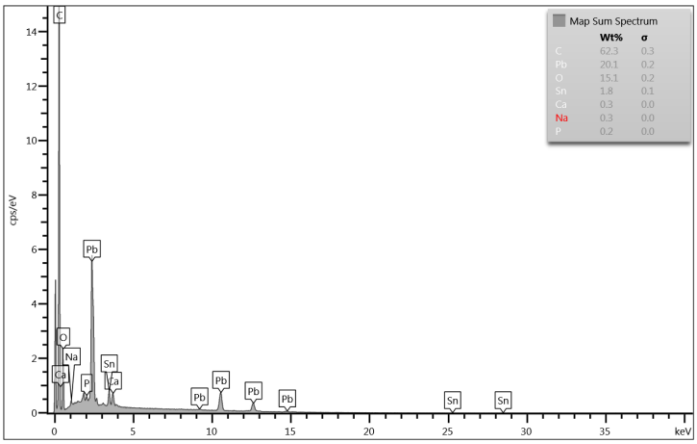
1. Proovitükk KOER 1 valgusmikroskoobi all vaadatuna.

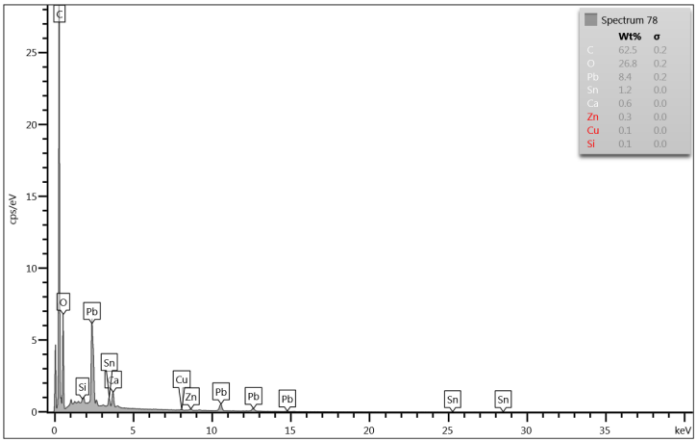


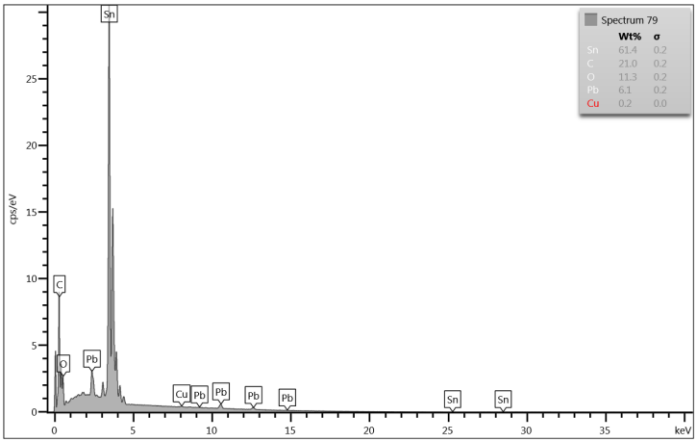
2. SEM-EDS analüüsi analüüsipunktid ja-piirkonnad proovitükil KOER 1.

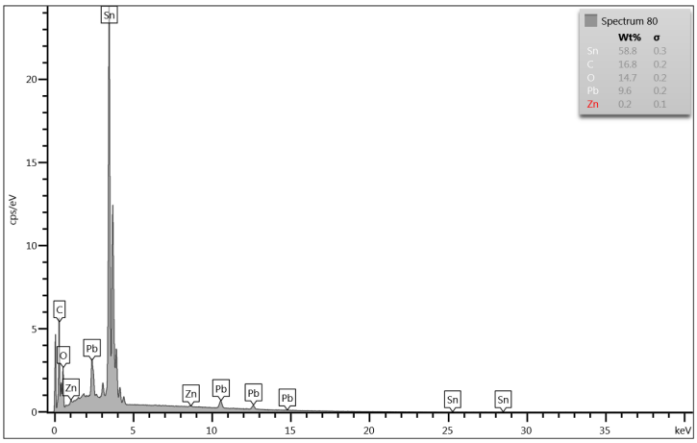


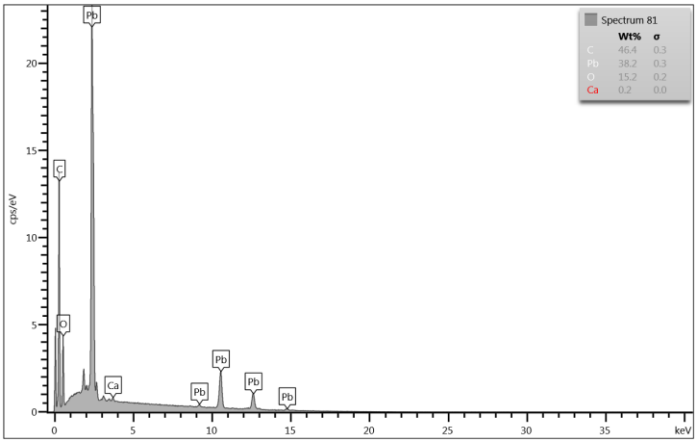
3. Proovi KOER 1 SEM-EDS analüüsi spektrid.

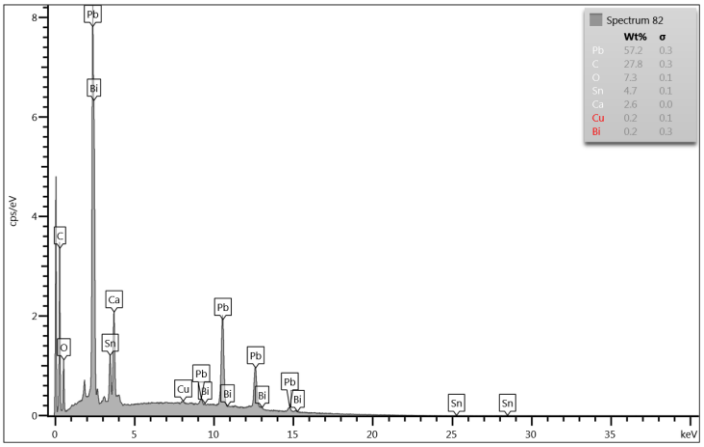


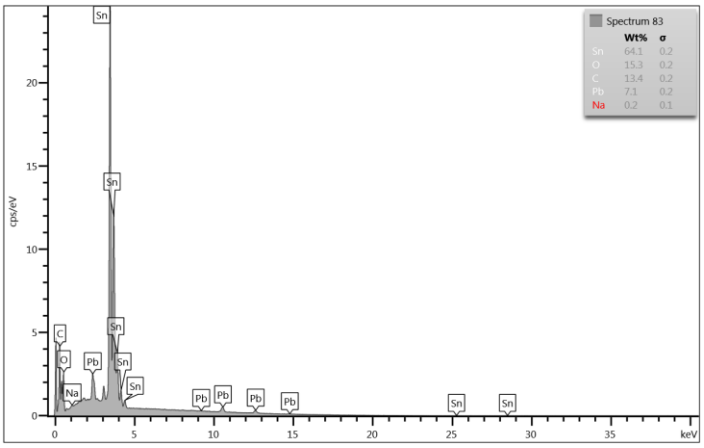


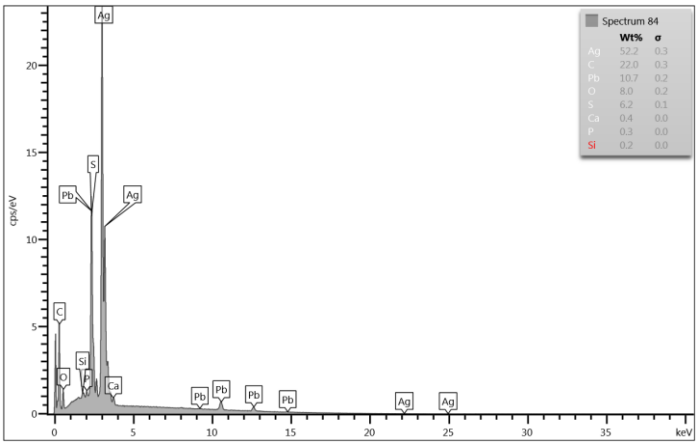


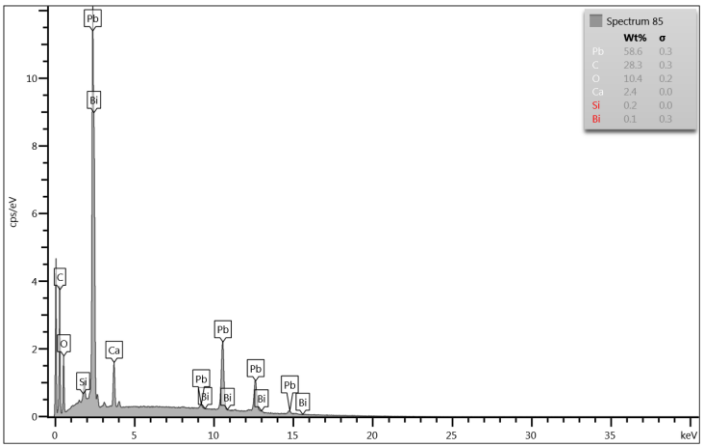

Spectrum 80
Wt% σ
Sn 58.8 0.3
C 16.8 0.2
O 14.7 0.2
Pb 9.6 0.2
Zn 0.2 0.1
cps/eV
keV
Sn
C
O
Pb
Zn
Zn
Pb
Pb
Pb
Sn
Sn

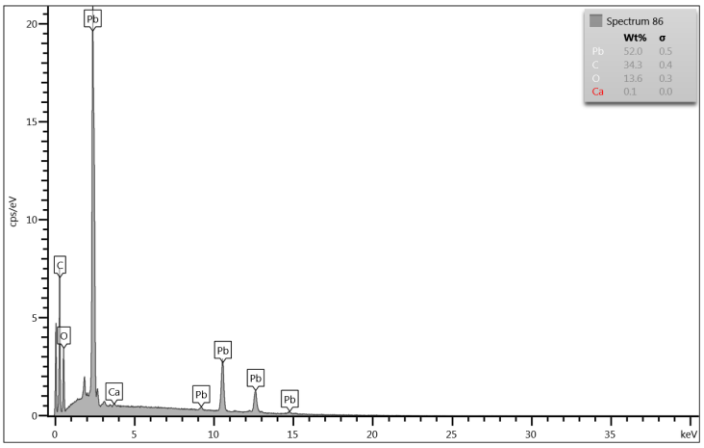

Spectrum 81
Wt% σ
C 46.4 0.3
Pb 38.2 0.3
O 15.2 0.2
Ca 0.2 0.0
cps/eV
keV
Pb
C
O
Ca
Pb
Pb
Pb
Pb

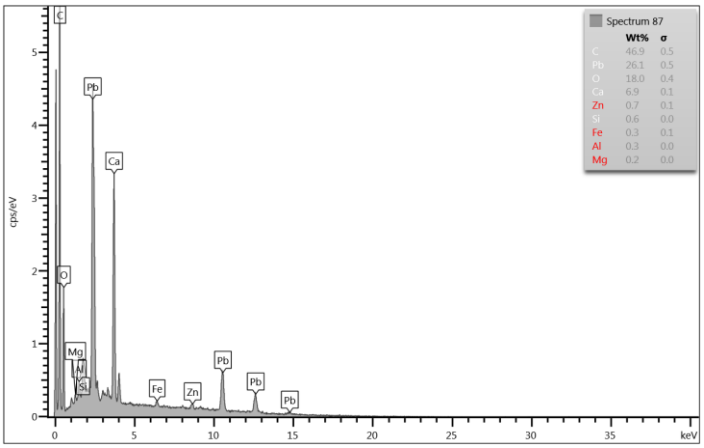

Spectrum 82
Wt% σ
Pb 57.2 0.3
C 27.8 0.3
O 7.3 0.1
Sn 4.7 0.1
Ca 2.6 0.0
Cu 0.2 0.1
Bi 0.2 0.3
cps/eV
keV
Pb
Bi
C
Ca
O
Sn
Pb
Cu
Pb
Bi
Bi
Pb
Bi
Pb
Bi
Sn
Sn

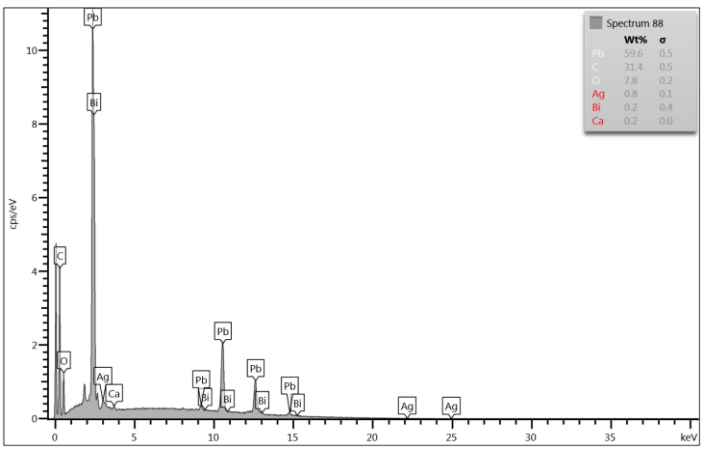

Spectrum 83
Wt% σ
Sn 64.1 0.2
O 15.3 0.2
C 13.4 0.2
Pb 7.1 0.2
Na 0.2 0.1
cps/eV
keV

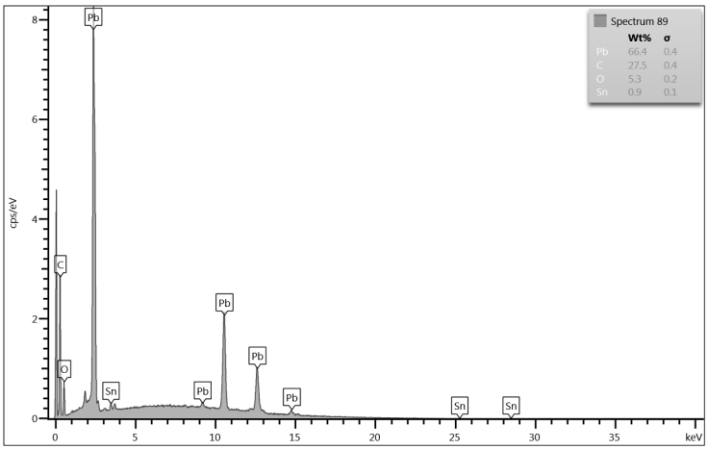

Spectrum 84
Wt% σ
Ag 52.2 0.3
C 22.0 0.3
Pb 10.7 0.2
O 8.0 0.2
S 6.2 0.1
Ca 0.4 0.0
P 0.3 0.0
Si 0.2 0.0
cps/eV
keV

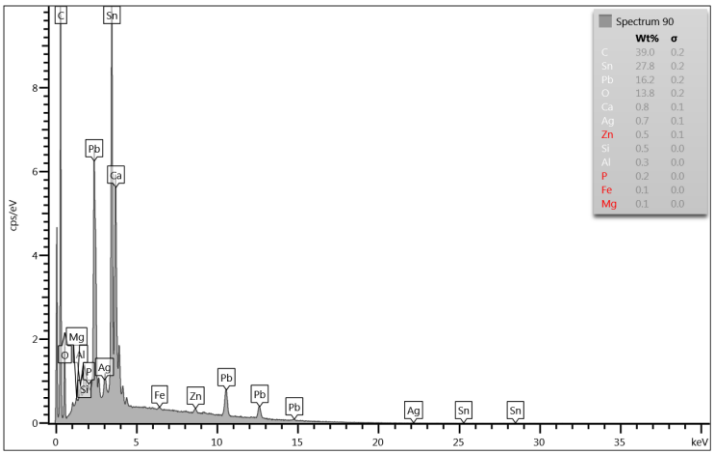

Spectrum 85
Wt% σ
Pb 58.6 0.3
C 28.3 0.3
O 10.4 0.2
Ca 2.4 0.0
Si 0.2 0.0
Bi 0.1 0.3
cps/eV
keV

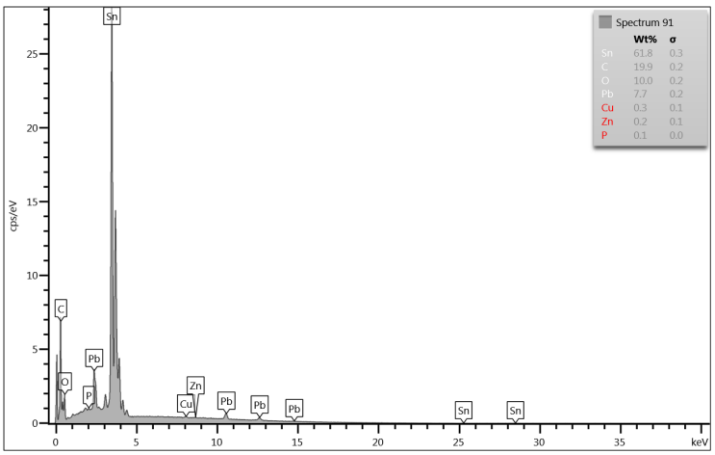

Spectrum 86
Wt% σ
Pb 52.0 0.5
C 34.3 0.4
O 13.6 0.3
Ca 0.1 0.0
cps/eV
keV

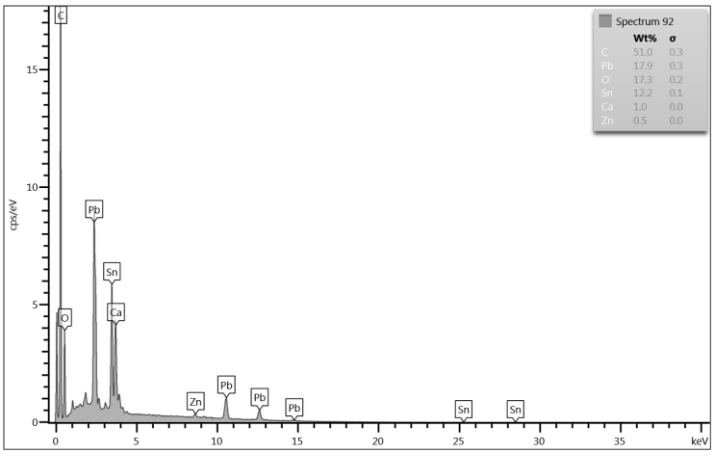

Spectrum 87
Wt% σ
C 46.9 0.5
Pb 26.1 0.5
O 18.0 0.4
Ca 6.9 0.1
Zn 0.7 0.1
Si 0.6 0.0
Fe 0.3 0.1
Al 0.3 0.0
Mg 0.2 0.0
cps/eV
keV

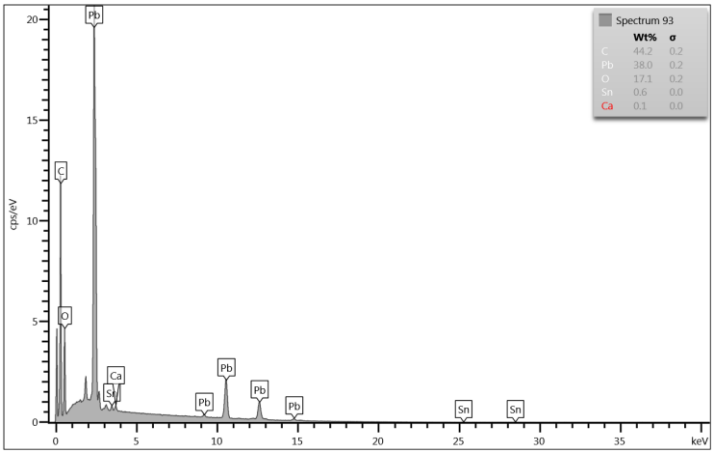

Spectrum 88
Wt% σ
Pb 59.6 0.5
C 31.4 0.5
O 7.8 0.2
Ag 0.8 0.1
Bi 0.2 0.4
Ca 0.2 0.0
cps/eV
keV

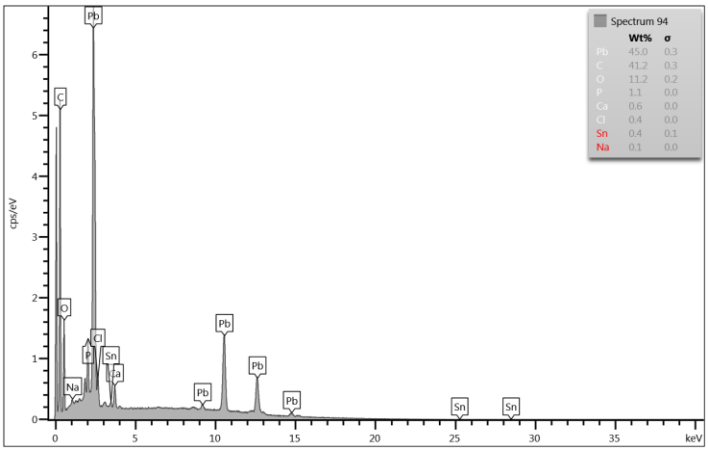

Spectrum 89
Wt% σ
Pb 66.4 0.4
C 27.5 0.4
O 5.3 0.2
Sn 0.9 0.1
cps/eV
keV


Spectrum 90
Wt% σ
C 39.0 0.2
Sn 27.8 0.2
Pb 16.2 0.2
O 13.8 0.2
Ca 0.8 0.1
Ag 0.7 0.1
Zn 0.5 0.1
Si 0.5 0.0
Al 0.3 0.0
P 0.2 0.0
Fe 0.1 0.0
Mg 0.1 0.0
cps/eV
keV

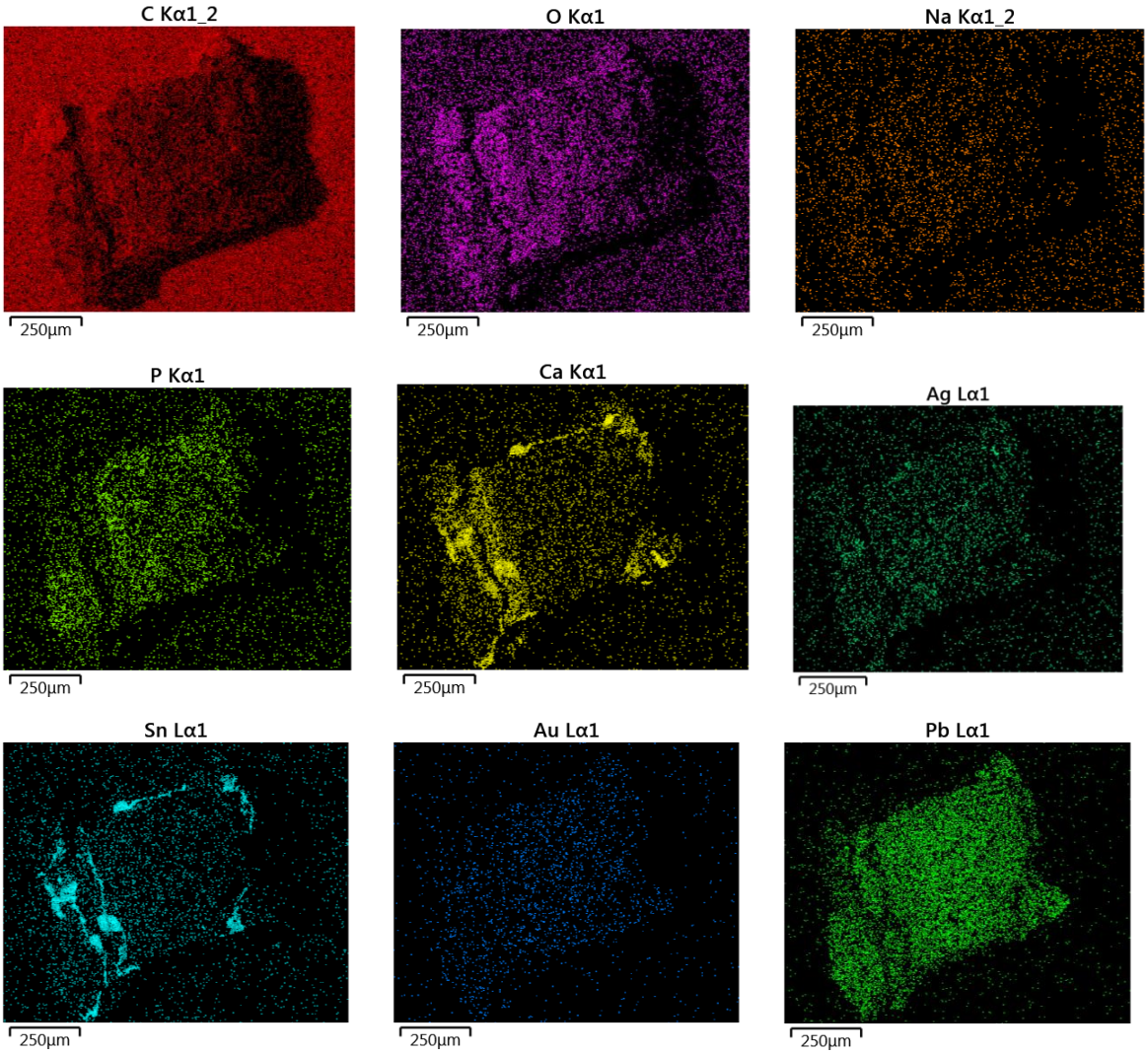

Spectrum 91
Wt% σ
Sn 61.8 0.3
C 19.9 0.2
O 10.0 0.2
Pb 7.7 0.2
Cu 0.3 0.1
Zn 0.2 0.1
P 0.1 0.0
cps/eV
keV


Spectrum 92
Wt% σ
C 51.0 0.3
Pb 17.9 0.3
O 17.3 0.2
Sn 12.2 0.1
Ca 1.0 0.0
Zn 0.5 0.0
cps/eV
keV


Spectrum 93
Wt% σ
C 44.2 0.2
Pb 38.0 0.2
O 17.1 0.2
Sn 0.6 0.0
Ca 0.1 0.0
cps/eV
keV


Spectrum 94
Wt% σ
Pb 45.3 0.3
C 41.2 0.3
O 11.2 0.2
P 1.1 0.0
Ga 0.6 0.0
Cl 0.4 0.0
Sn 0.4 0.1
Na 0.1 0.0
cps/eV
keV

4. Keemiliste elementide esinemine proovis KOER 1.

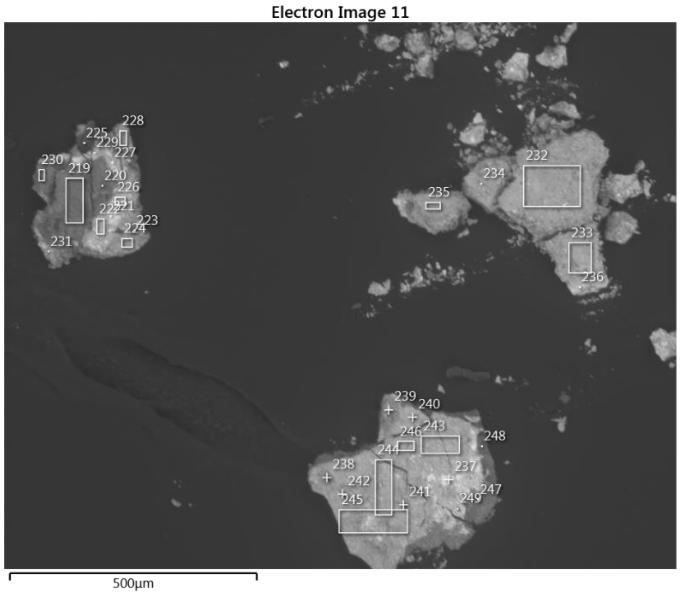


Lisa 2 – Maali „Püha õhtusöömaaeg“ sinise värvi koostise uuringud SEM-EDS analüüsi abil.

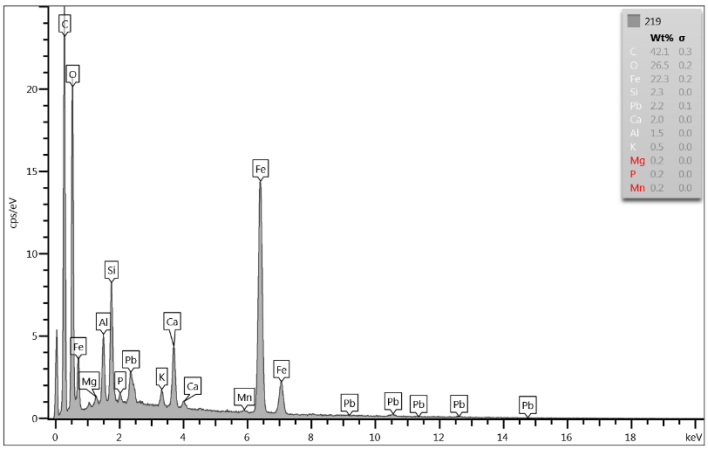
Analüüsitud Tartus dr Signe Vahuri poolt.

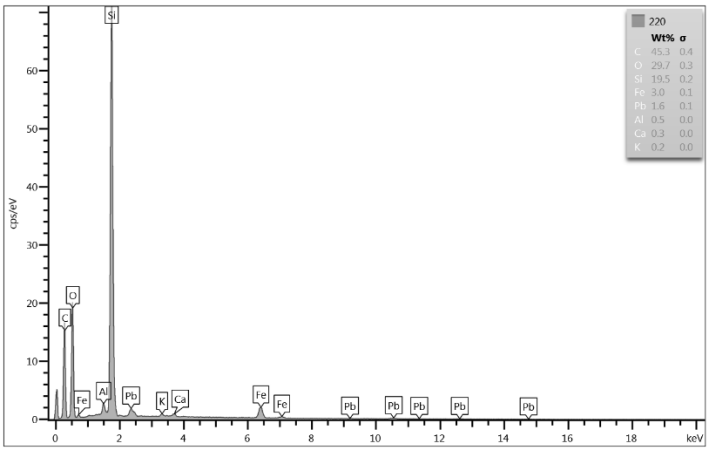
1. Proovi pyha-ohtu-maal-sinine asukoht maalil ja proovitükid valgusmikroskoobi all vaadatuna.

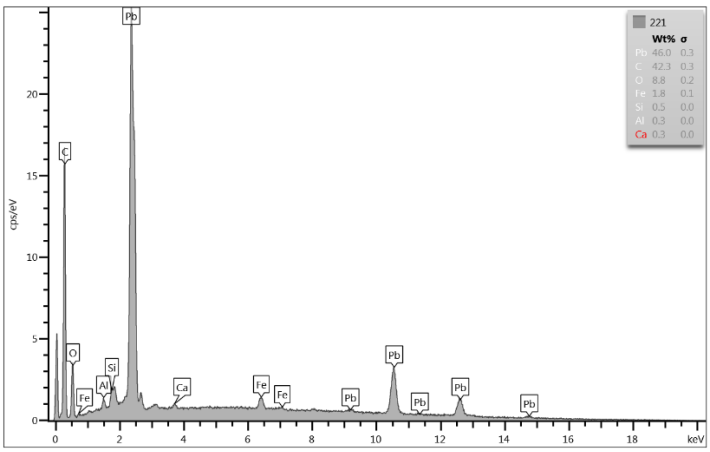
2. Analüüsipunktid ja-piirkonnad proovitükkidel.

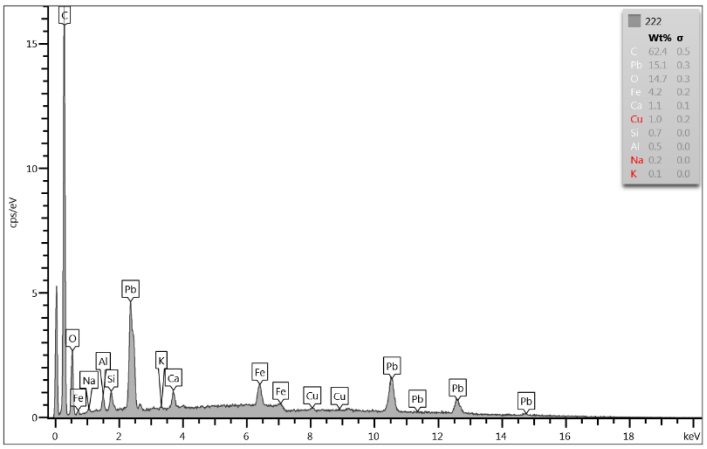


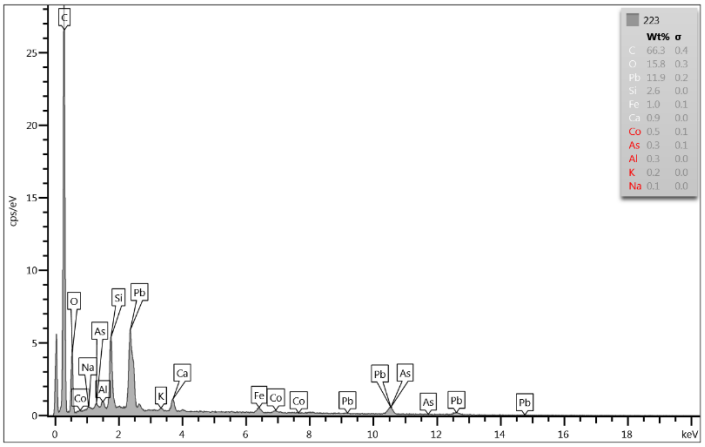
3. *Proovi pyha-ohtu-maal-sinine SEM-EDS analüüsi spektrid.*

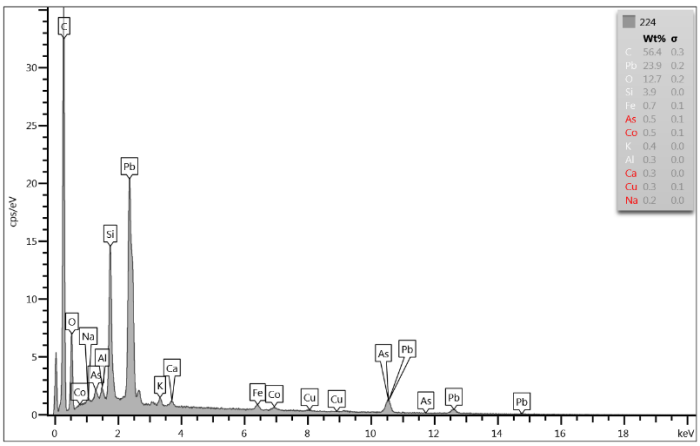


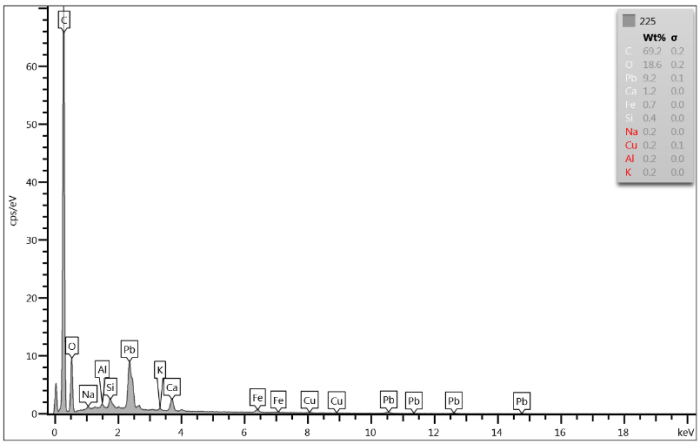


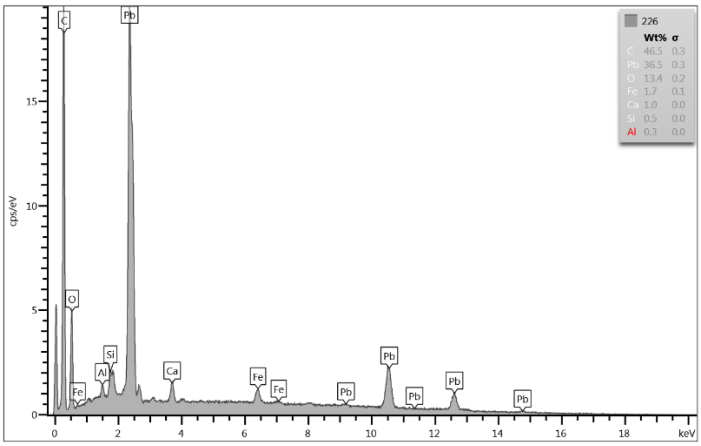


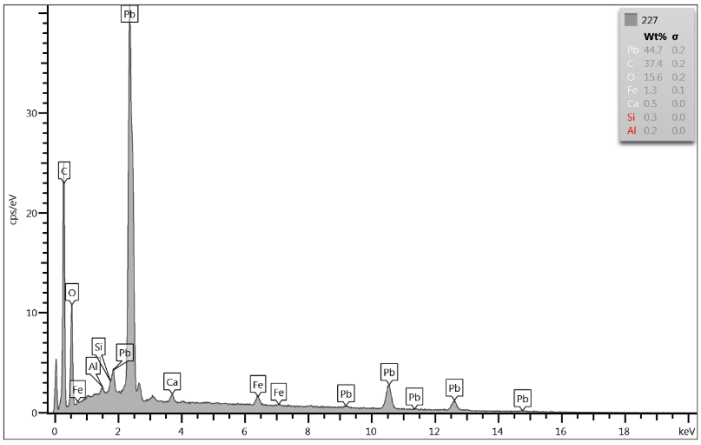

222
Wt% σ
C 62.4 0.5
Pb 15.1 0.3
O 14.7 0.3
Fe 4.2 0.2
Ca 1.1 0.1
Cu 1.0 0.2
Si 0.7 0.0
Al 0.5 0.0
Na 0.2 0.0
K 0.1 0.0
cps/eV
keV

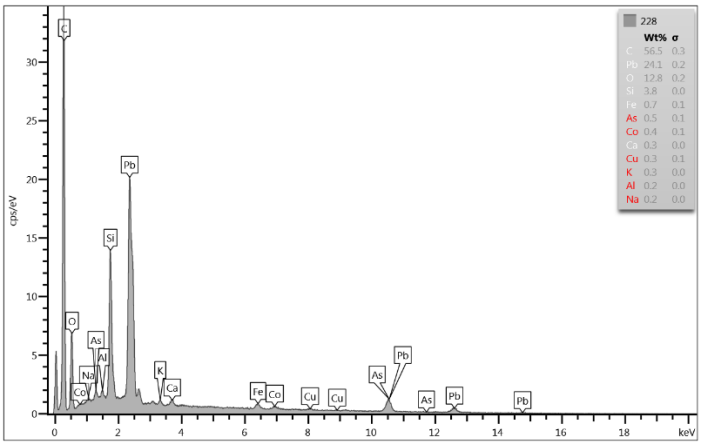

223
Wt% σ
C 66.3 0.4
O 15.8 0.3
Pb 11.9 0.2
Si 2.6 0.0
Fe 1.0 0.1
Ca 0.9 0.0
Co 0.5 0.1
As 0.3 0.1
Al 0.3 0.0
K 0.2 0.0
Na 0.1 0.0
cps/eV
keV

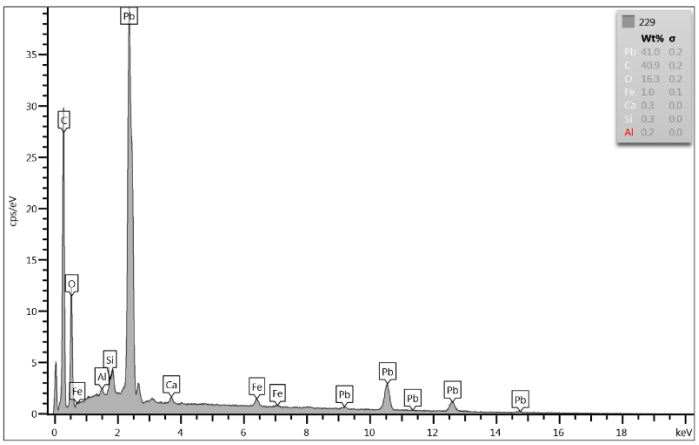

224
Wt% σ
C 56.4 0.3
Pb 23.9 0.2
O 12.7 0.2
Si 3.9 0.0
Fe 0.7 0.1
As 0.5 0.1
Co 0.5 0.1
K 0.4 0.0
Al 0.3 0.0
Ca 0.3 0.0
Cu 0.3 0.1
Na 0.2 0.0
cps/eV
keV

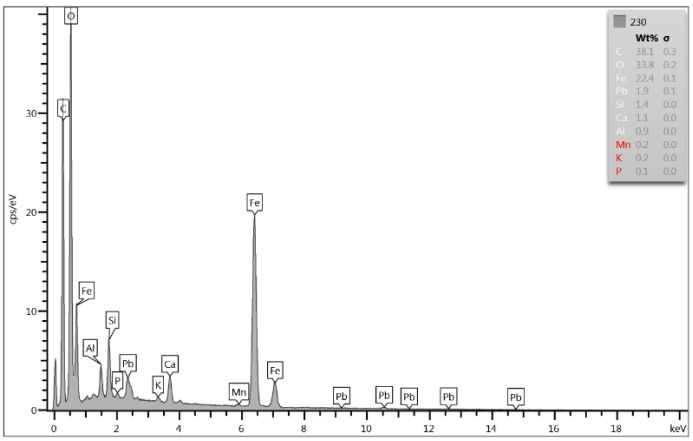

225
Wt% σ
C 69.2 0.2
O 18.6 0.2
Pb 9.2 0.1
Cu 1.2 0.0
Fe 0.7 0.0
Si 0.4 0.0
Na 0.2 0.0
Cu 0.2 0.1
Al 0.2 0.0
K 0.2 0.0
cps/eV
keV
C
O
Al
Si
Na
Pb
K
Ca
Fe
Fe
Cu
Cu
Pb
Pb
Pb
Pb

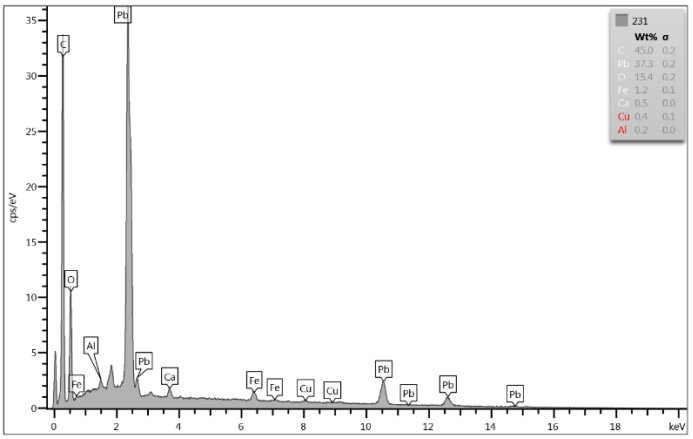

226
Wt% σ
C 46.5 0.3
Pb 36.5 0.3
O 13.4 0.2
Fe 1.7 0.1
Ca 1.0 0.0
Si 0.5 0.0
Al 0.3 0.0
cps/eV
keV
C
Pb
O
Si
Al
Fe
Ca
Fe
Fe
Pb
Pb
Pb
Pb
Pb

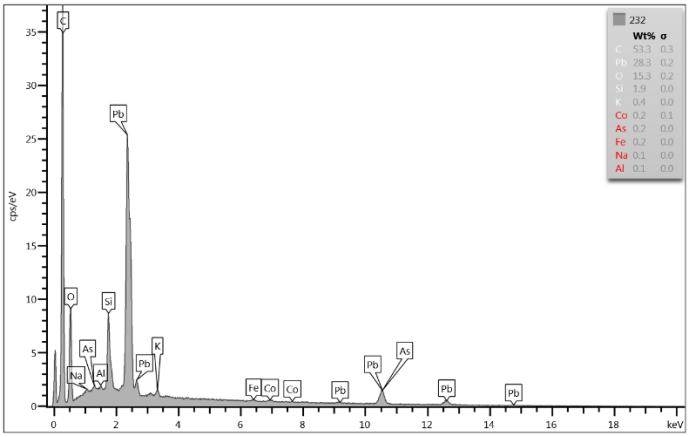

227
Wt% σ
Pb 44.7 0.2
C 37.4 0.2
O 15.6 0.2
Fe 1.3 0.1
Ca 0.5 0.0
Si 0.3 0.0
Al 0.2 0.0
cps/eV
keV
Pb
C
O
Si
Al
Pb
Fe
Ca
Fe
Fe
Pb
Pb
Pb
Pb
Pb

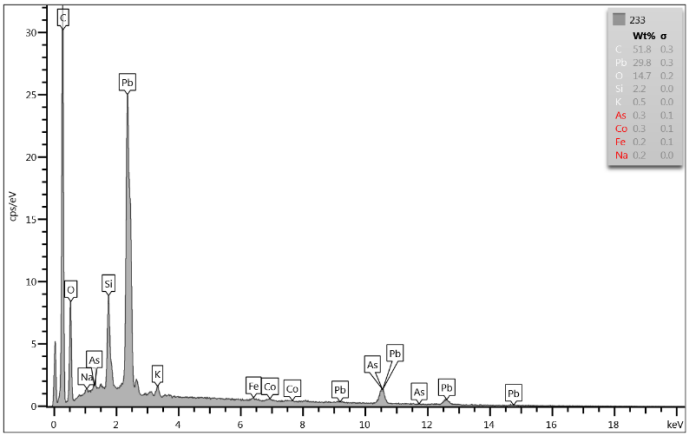

228
Wt% σ
C 56.5 0.3
Pb 24.1 0.2
O 12.8 0.2
Si 3.8 0.0
Fe 0.7 0.1
As 0.5 0.1
Co 0.4 0.1
Cr 0.3 0.0
Cu 0.3 0.1
K 0.3 0.0
Al 0.2 0.0
Na 0.2 0.0
cps/eV
keV

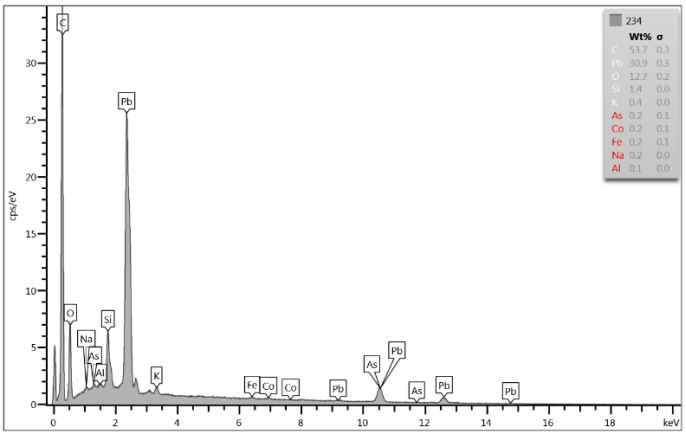

229
Wt% σ
Pb 41.0 0.2
C 40.9 0.2
O 16.3 0.2
Fe 1.0 0.1
Cr 0.3 0.0
Si 0.3 0.0
Al 0.2 0.0
cps/eV
keV

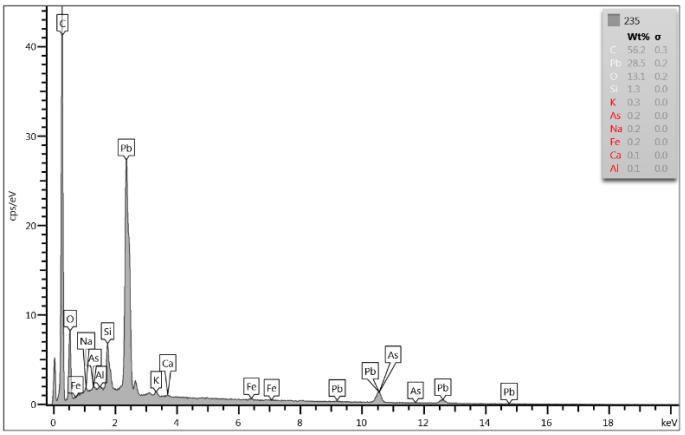

230
Wt% σ
C 38.1 0.3
O 33.8 0.2
Fe 22.4 0.1
Pb 1.9 0.1
Si 1.4 0.0
Ca 1.1 0.0
Al 0.9 0.0
Mn 0.2 0.0
K 0.2 0.0
P 0.1 0.0
cps/eV
keV

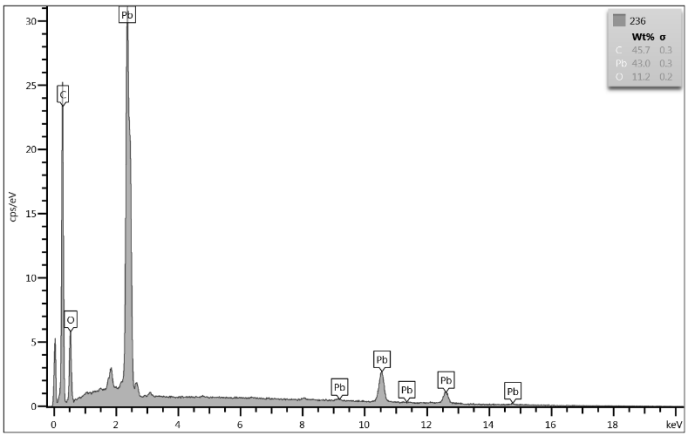

231
Wt% σ
C 45.0 0.2
Pb 37.3 0.2
O 15.4 0.2
Fe 1.2 0.1
Cr 0.5 0.0
Cu 0.4 0.1
Al 0.2 0.0
cps/eV
keV

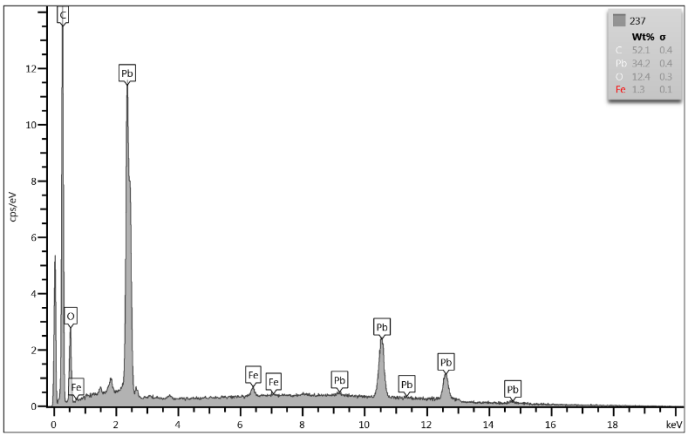

232
Wt% σ
C 53.3 0.3
Pb 28.3 0.2
O 15.3 0.2
Si 1.9 0.0
K 0.4 0.0
Co 0.2 0.1
As 0.2 0.0
Fe 0.2 0.0
Na 0.1 0.0
Al 0.1 0.0
cps/eV
keV

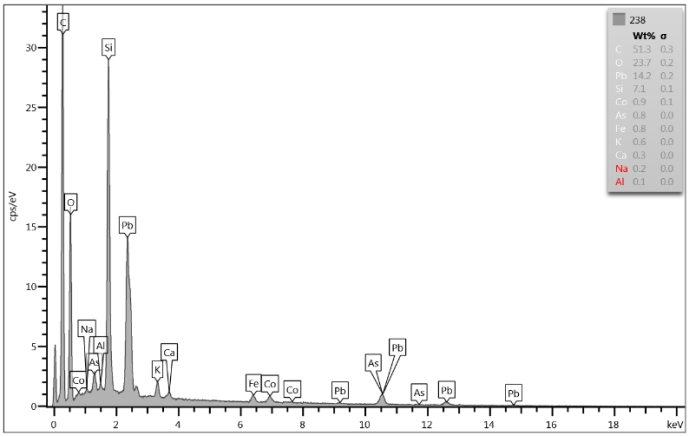

233
Wt% σ
C 51.8 0.3
Pb 29.8 0.3
O 14.7 0.2
Si 2.2 0.0
K 0.5 0.0
As 0.3 0.1
Co 0.3 0.1
Fe 0.2 0.1
Na 0.2 0.0
cps/eV
keV

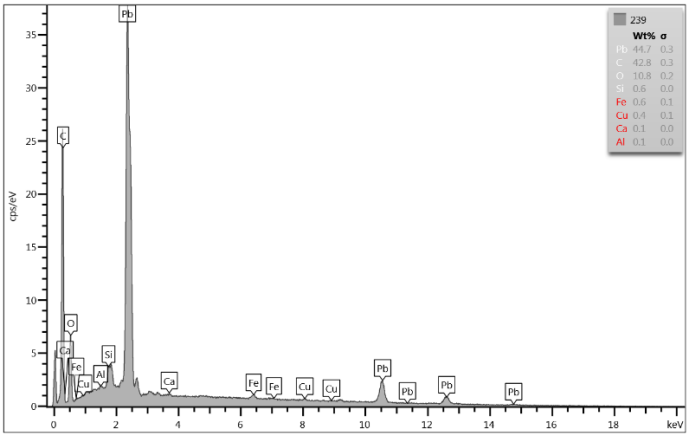

234
Wt% σ
C 53.7 0.3
Pb 30.9 0.3
O 12.7 0.2
Si 1.4 0.0
K 0.4 0.0
As 0.2 0.1
Co 0.2 0.1
Fe 0.2 0.1
Na 0.2 0.0
Al 0.1 0.0
cps/eV
keV

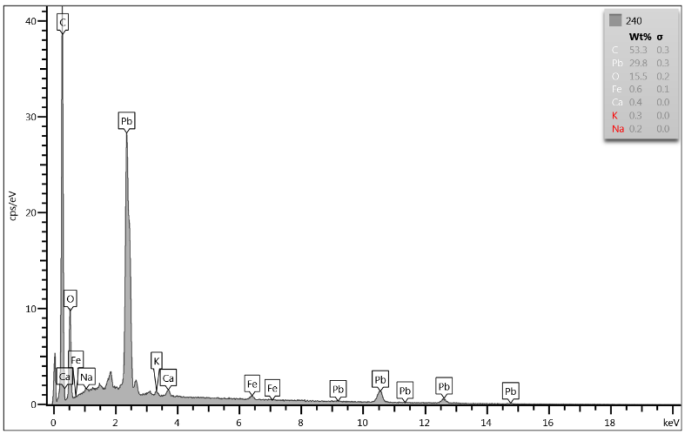

235
Wt% σ
C 56.2 0.3
Pb 28.5 0.2
O 13.1 0.2
Si 1.3 0.0
K 0.3 0.0
As 0.2 0.0
Na 0.2 0.0
Fe 0.2 0.0
Ca 0.1 0.0
Al 0.1 0.0
cps/eV
keV

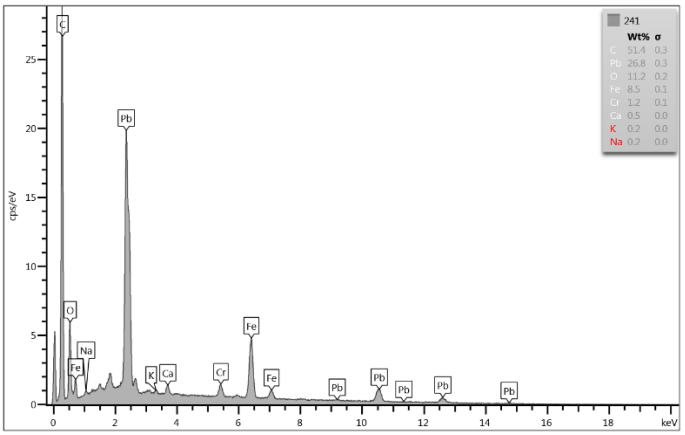

236
Wt% σ
C 45.7 0.3
Pb 43.0 0.3
O 11.2 0.2
cps/eV
keV

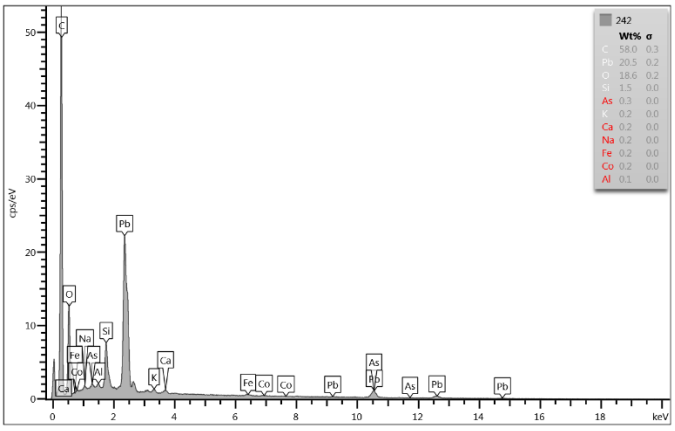

237
Wt% σ
C 52.1 0.4
Pb 34.2 0.4
O 12.4 0.3
Fe 1.3 0.1
cps/eV
keV

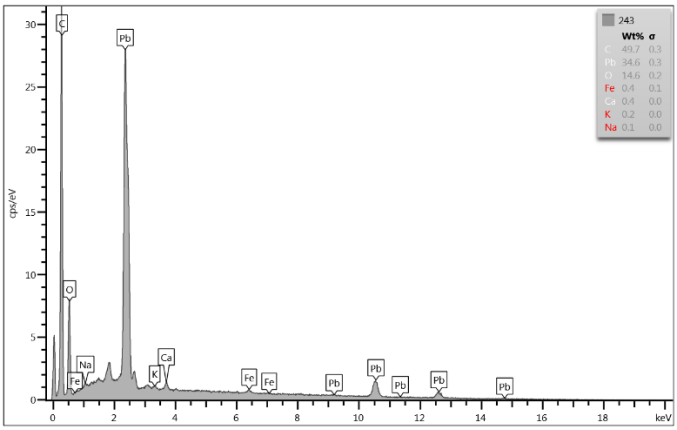

238
Wt% σ
C 51.3 0.3
O 23.7 0.2
Pb 14.2 0.2
Si 7.1 0.1
Co 0.9 0.1
As 0.8 0.0
Fe 0.8 0.0
K 0.6 0.0
Ca 0.3 0.0
Na 0.2 0.0
Al 0.1 0.0
cps/eV
keV

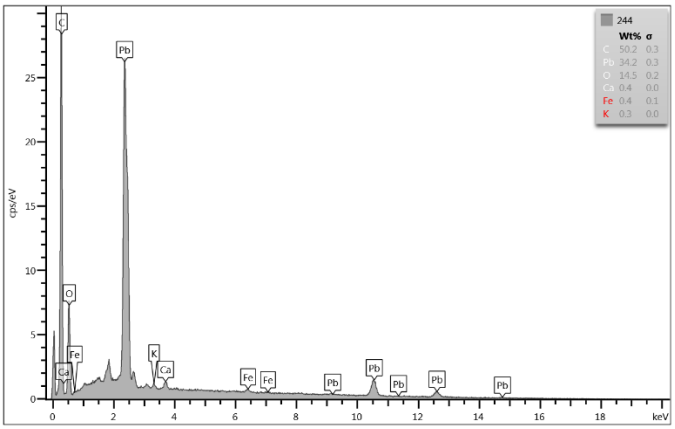

239
Wt% σ
Pb 44.7 0.3
C 42.8 0.3
O 10.8 0.2
Si 0.6 0.0
Fe 0.6 0.1
Cu 0.4 0.1
Ca 0.1 0.0
Al 0.1 0.0
cps/eV
keV

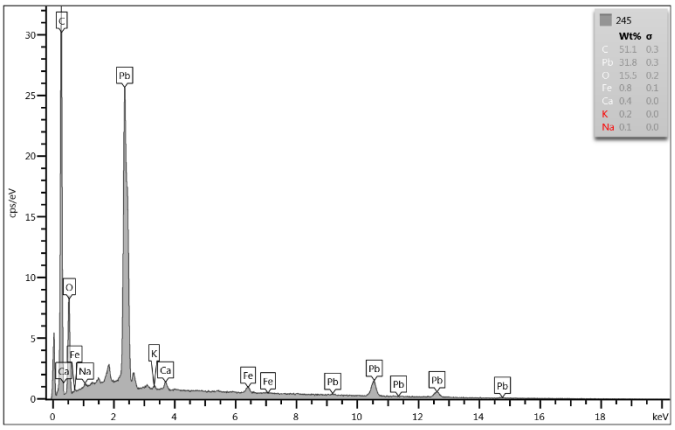

240
Wt% σ
C 53.3 0.3
Pb 29.8 0.3
O 15.5 0.2
Fe 0.6 0.1
Cr 0.4 0.0
K 0.3 0.0
Na 0.2 0.0
cps/eV
keV

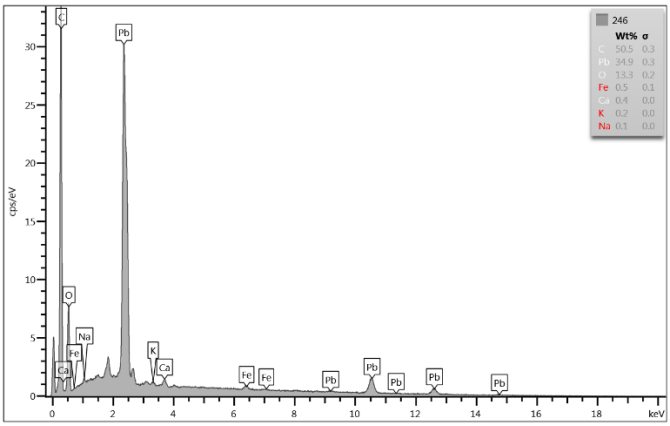

241
Wt% σ
C 51.4 0.3
Pb 26.8 0.3
O 11.2 0.2
Fe 8.5 0.1
Cr 1.2 0.1
Cl 0.5 0.0
K 0.2 0.0
Na 0.2 0.0
cps/eV
keV

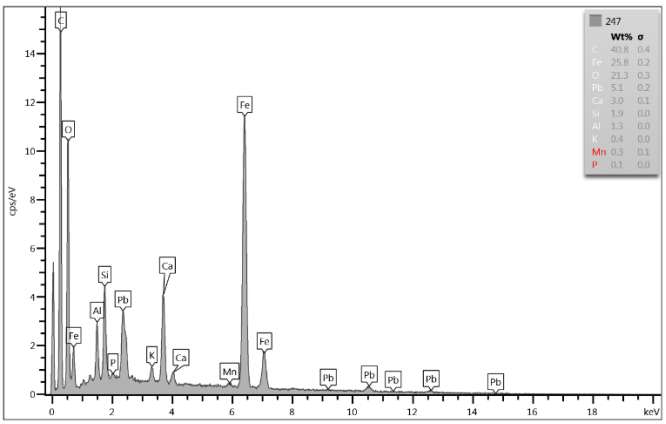

242
Wt% σ
C 58.0 0.3
Pb 20.5 0.2
O 18.6 0.2
Si 1.5 0.0
As 0.3 0.0
K 0.2 0.0
Ca 0.2 0.0
Na 0.2 0.0
Fe 0.2 0.0
Co 0.2 0.0
Al 0.1 0.0
cps/eV
keV

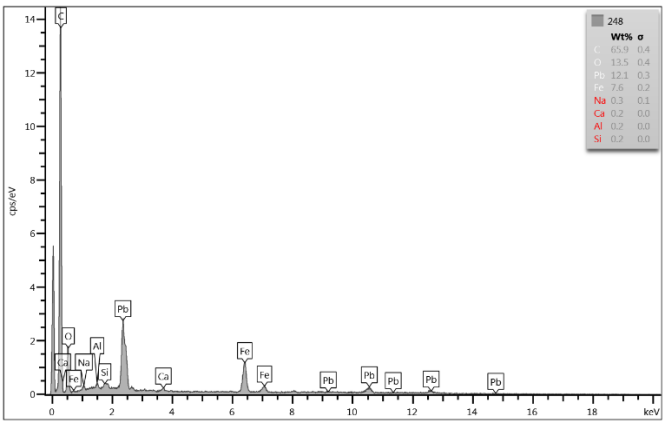

243
Wt% σ
C 49.7 0.3
Pb 34.6 0.3
O 14.6 0.2
Fe 0.4 0.1
Ca 0.4 0.0
K 0.2 0.0
Na 0.1 0.0
cps/eV
keV

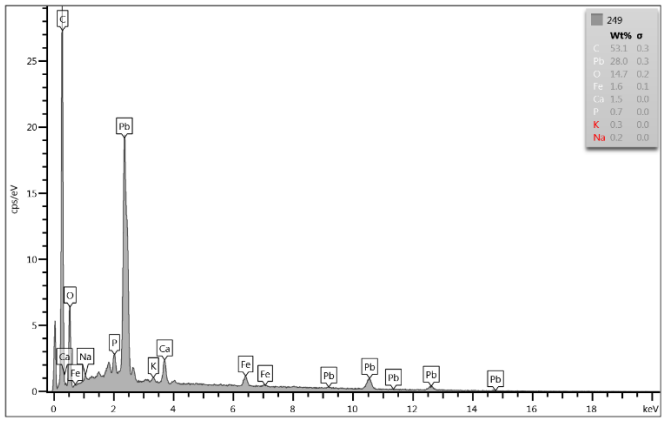

244
Wt% σ
C 50.2 0.3
Pb 34.2 0.3
O 14.5 0.2
Ca 0.4 0.0
Fe 0.4 0.1
K 0.3 0.0
cps/eV
keV


245
Wt% σ
C 51.1 0.3
Pb 31.8 0.3
O 15.5 0.2
Fe 0.8 0.1
Ca 0.4 0.0
K 0.2 0.0
Na 0.1 0.0
cps/eV
keV

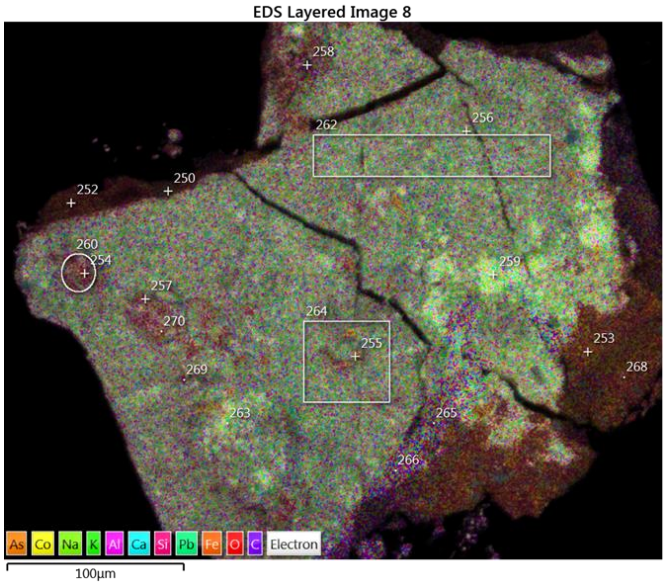

246
Wt% σ
C 50.5 0.3
Pb 34.9 0.3
O 13.3 0.2
Fe 0.5 0.1
Cl 0.4 0.0
K 0.2 0.0
Na 0.1 0.0
cps/eV
keV


247
Wt% σ
C 40.8 0.4
Fe 25.8 0.2
O 21.3 0.3
Pb 5.1 0.2
Cl 3.0 0.1
Si 1.9 0.0
Al 1.3 0.0
K 0.4 0.0
Mn 0.3 0.1
P 0.1 0.0
cps/eV
keV

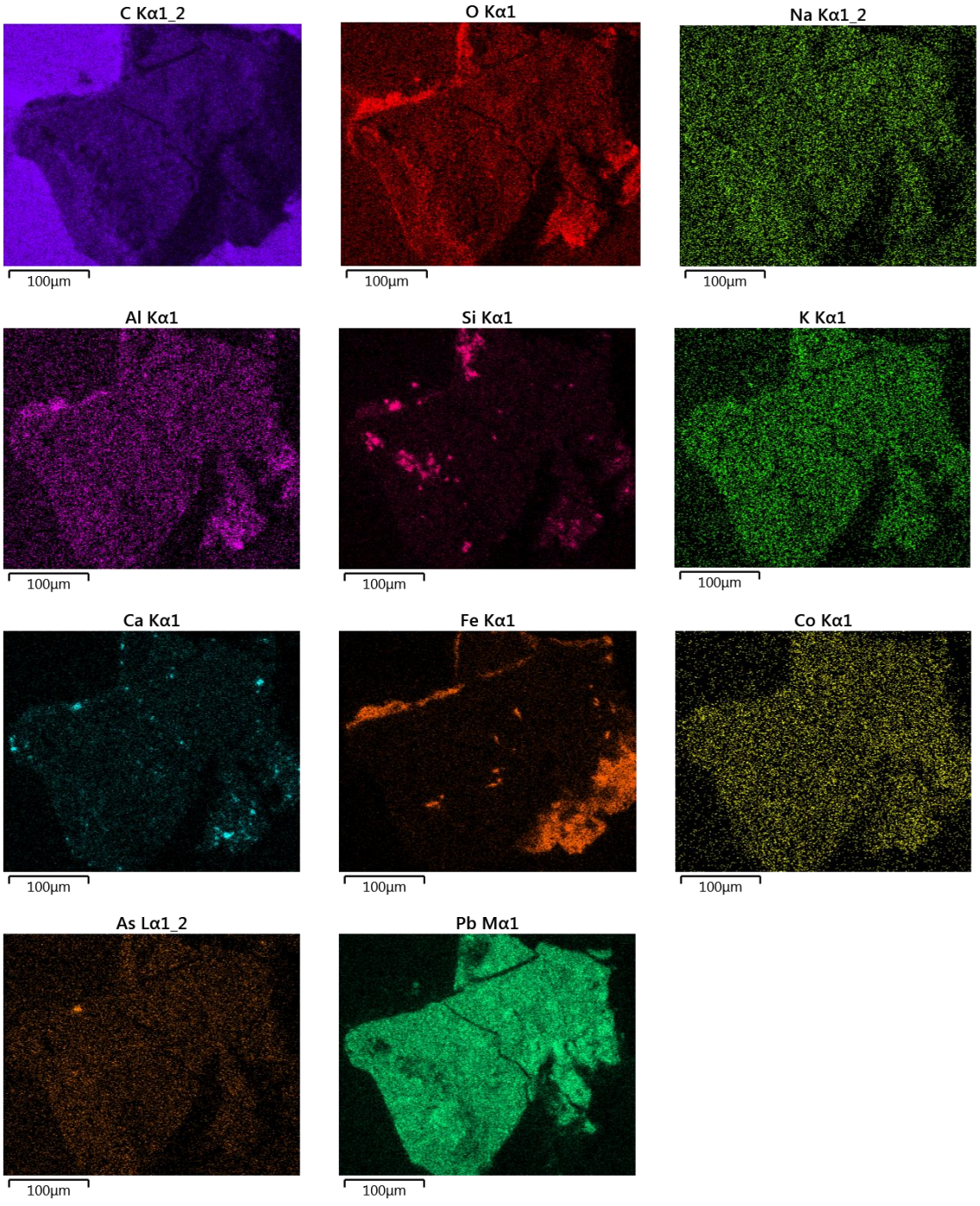

248
Wt% σ
C 65.9 0.4
O 13.5 0.4
Pb 12.1 0.3
Fe 7.6 0.2
Na 0.3 0.1
Ca 0.2 0.0
Al 0.2 0.0
Si 0.2 0.0
cps/eV
keV



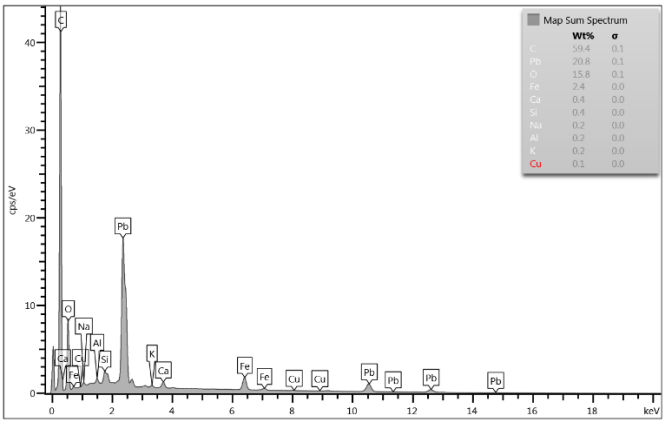
4. Proovitükk I proovist pyha-ohtu-maal-sinine ning analüüsipunktid ja-piirkonnad proovitükil.

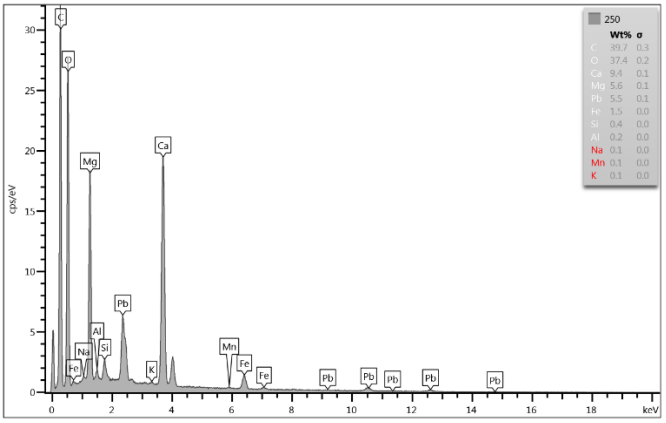


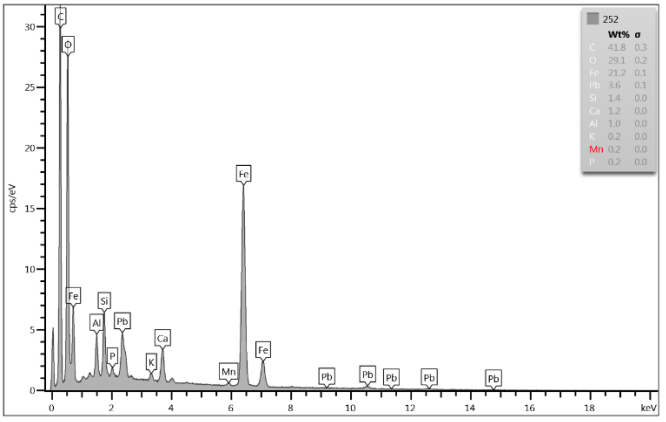
5. Proovitükil I esinevad keemilised elemendid.

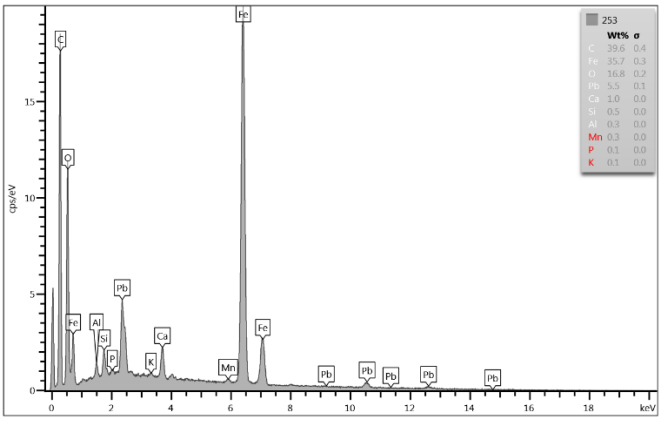


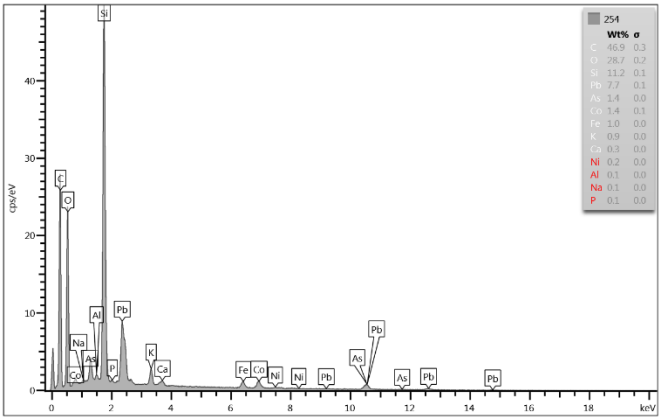
6. Proovitükk I SEM-EDS analüüsi spektrid.

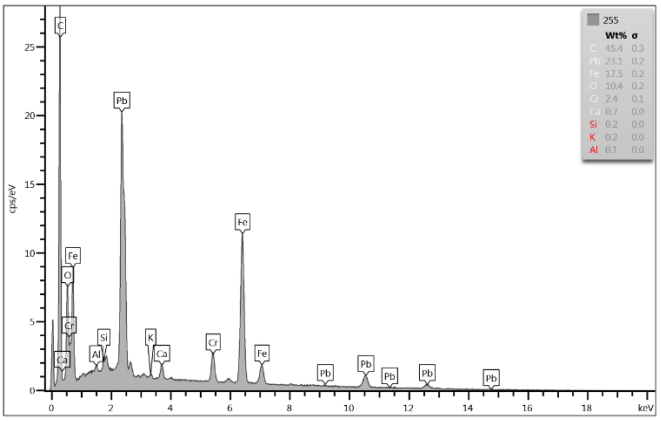


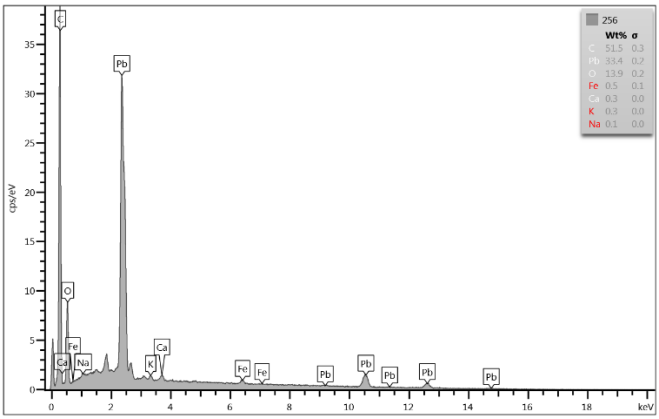


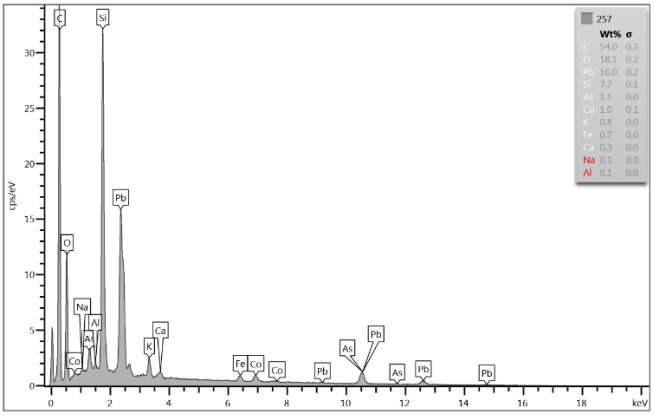


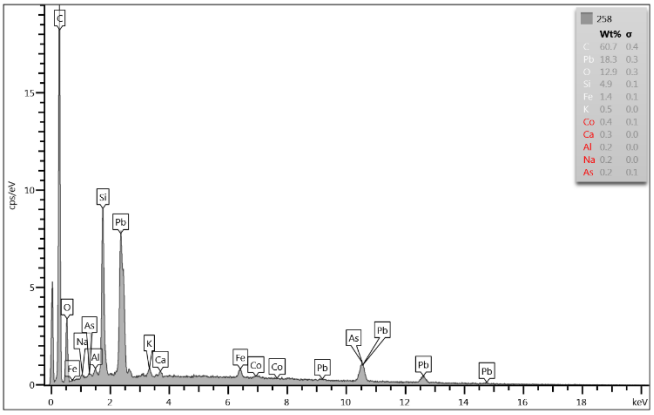

253
Wt% σ
C 39.6 0.4
Fe 35.7 0.3
O 16.8 0.2
Pb 5.5 0.1
Ca 1.0 0.0
Si 0.5 0.0
Al 0.3 0.0
Mn 0.3 0.0
P 0.1 0.0
K 0.1 0.0
cps/eV
keV

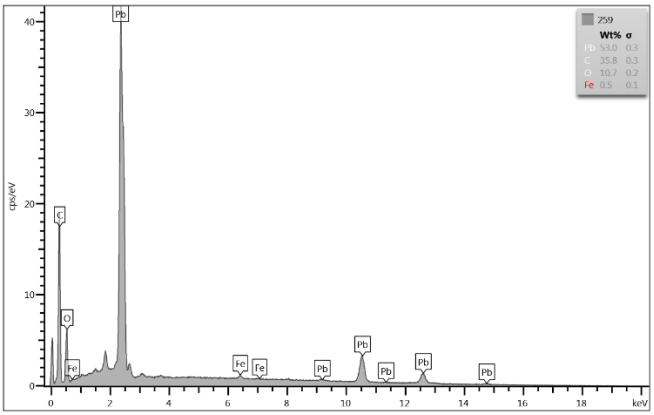

254
Wt% σ
C 46.9 0.3
O 28.7 0.2
Si 11.2 0.1
Pb 7.7 0.1
As 1.4 0.0
Co 1.4 0.1
Fe 1.0 0.0
K 0.9 0.0
Ca 0.3 0.0
Ni 0.2 0.0
Al 0.1 0.0
Na 0.1 0.0
P 0.1 0.0
cps/eV
keV

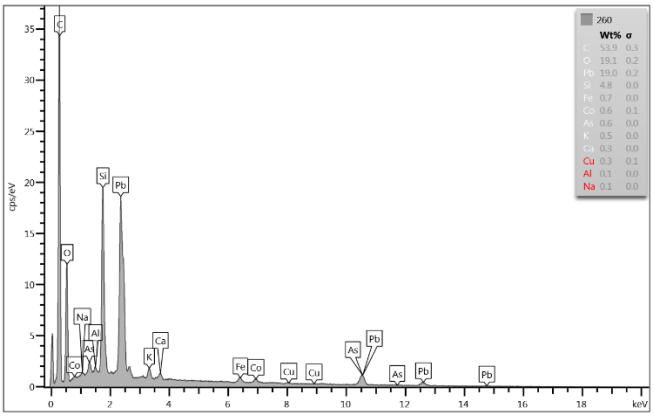

255
Wt% σ
C 45.4 0.3
Pb 23.1 0.2
Fe 17.5 0.2
O 10.4 0.2
Cr 2.4 0.1
Ca 0.7 0.0
Si 0.2 0.0
K 0.2 0.0
Al 0.1 0.0
cps/eV
keV

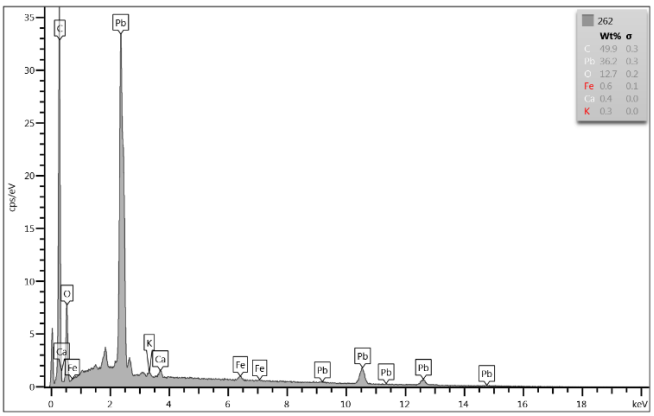

256
Wt% σ
C 51.5 0.3
Pb 33.4 0.2
O 13.9 0.2
Fe 0.5 0.1
Ca 0.3 0.0
K 0.3 0.0
Na 0.1 0.0
cps/eV
keV

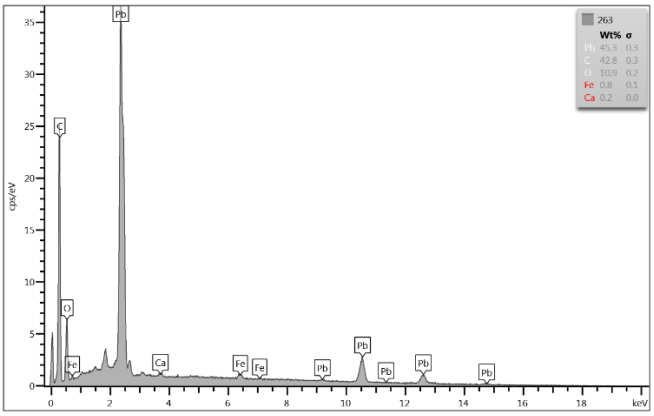

257
Wt% σ
C 54.0 0.3
O 18.1 0.2
Pb 16.0 0.2
Si 7.7 0.1
As 1.1 0.0
Co 1.0 0.1
K 0.8 0.0
Fe 0.7 0.0
Ca 0.3 0.0
Na 0.1 0.0
Al 0.1 0.0
cps/eV
keV

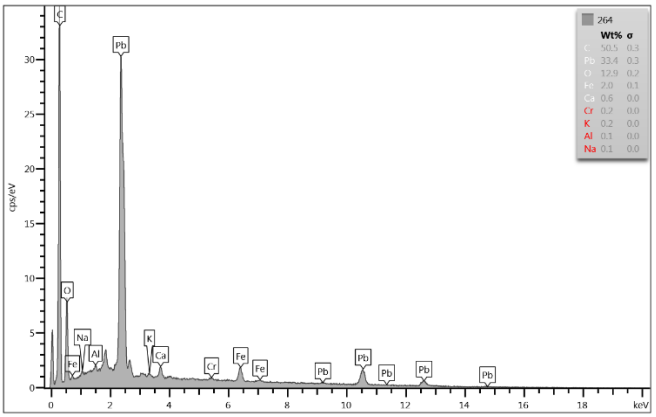

258
Wt% σ
C 60.7 0.4
Pb 18.3 0.3
O 12.9 0.3
Si 4.9 0.1
Fe 1.4 0.1
K 0.5 0.0
Co 0.4 0.1
Ca 0.3 0.0
Al 0.2 0.0
Na 0.2 0.0
As 0.2 0.1
cps/eV
keV

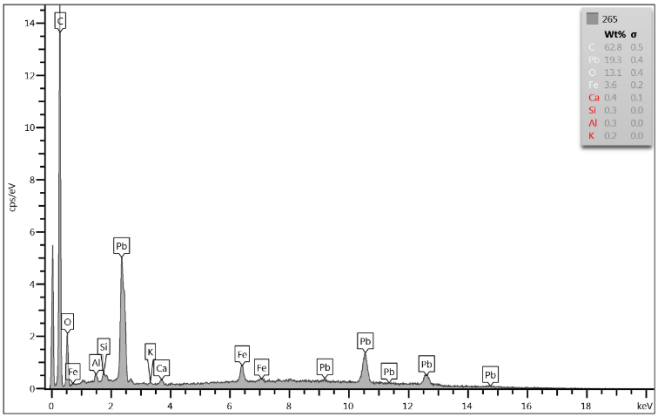

259
Wt% σ
Pb 53.0 0.3
C 35.8 0.3
O 10.7 0.2
Fe 0.5 0.1
cps/eV
keV

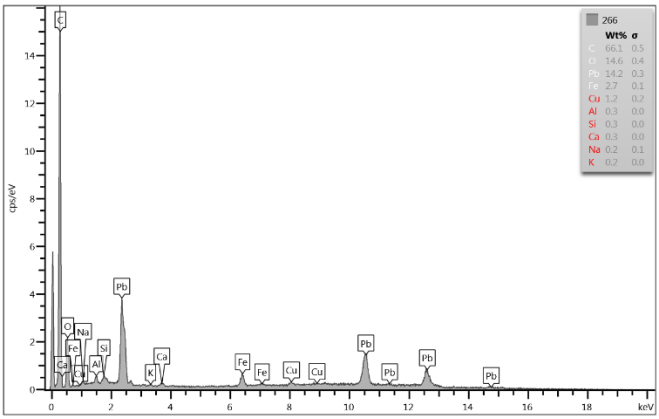

260
Wt% σ
C 53.9 0.3
O 19.1 0.2
Pb 19.0 0.2
Si 4.8 0.0
Fe 0.7 0.0
Co 0.6 0.1
As 0.6 0.0
K 0.5 0.0
Ca 0.3 0.0
Cu 0.3 0.1
Al 0.1 0.0
Na 0.1 0.0
cps/eV
keV

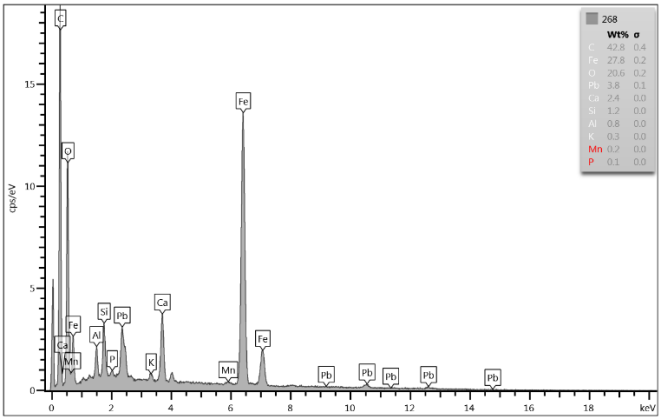

262
Wt% σ
C 49.9 0.3
Pb 36.2 0.3
O 12.7 0.2
Fe 0.6 0.1
Ca 0.4 0.0
K 0.3 0.0
cps/eV
keV

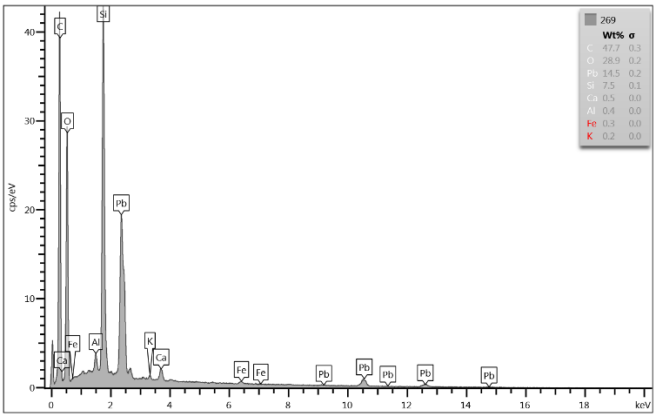

263
Wt% σ
Pb 45.3 0.3
C 42.8 0.3
O 10.9 0.2
Fe 0.8 0.1
Ca 0.2 0.0
cps/eV
keV

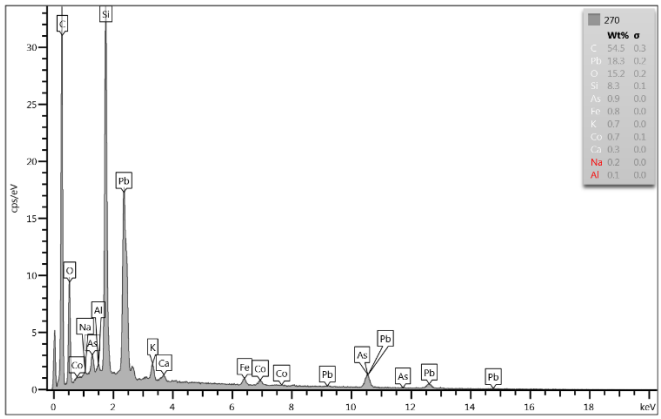

264
Wt% σ
C 50.5 0.3
Pb 33.4 0.3
O 12.9 0.2
Fe 2.0 0.1
Cl 0.6 0.0
Cr 0.2 0.0
K 0.2 0.0
Al 0.1 0.0
Na 0.1 0.0
cps/eV
keV


265
Wt% σ
C 62.8 0.5
Pb 19.3 0.4
O 13.1 0.4
Fe 3.6 0.2
Ca 0.4 0.1
Si 0.3 0.0
Al 0.3 0.0
K 0.2 0.0
cps/eV
keV

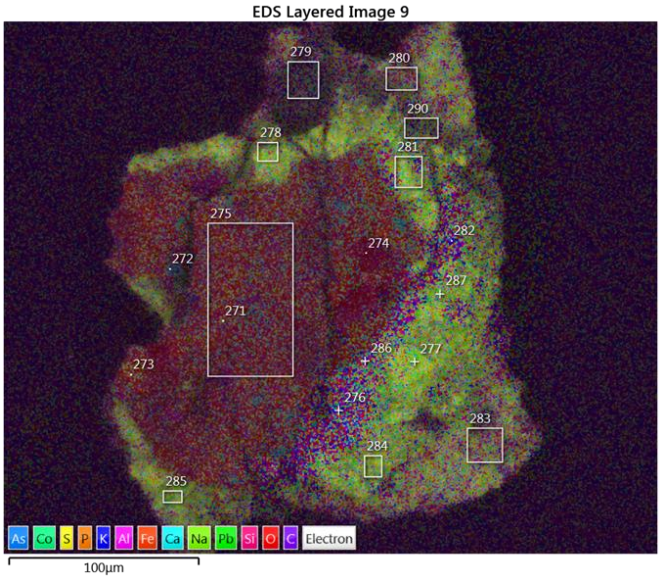

266
Wt% σ
C 66.1 0.5
O 14.6 0.4
Pb 14.2 0.3
Fe 2.7 0.1
Cu 1.2 0.2
Al 0.3 0.0
Si 0.3 0.0
Ca 0.3 0.0
Na 0.2 0.1
K 0.2 0.0
cps/eV
keV


268
Wt% σ
C 42.8 0.4
Fe 27.8 0.2
O 20.6 0.2
Pb 3.8 0.1
Ca 2.4 0.0
Si 1.2 0.0
Al 0.8 0.0
K 0.3 0.0
Mn 0.2 0.0
P 0.1 0.0
cps/eV
keV

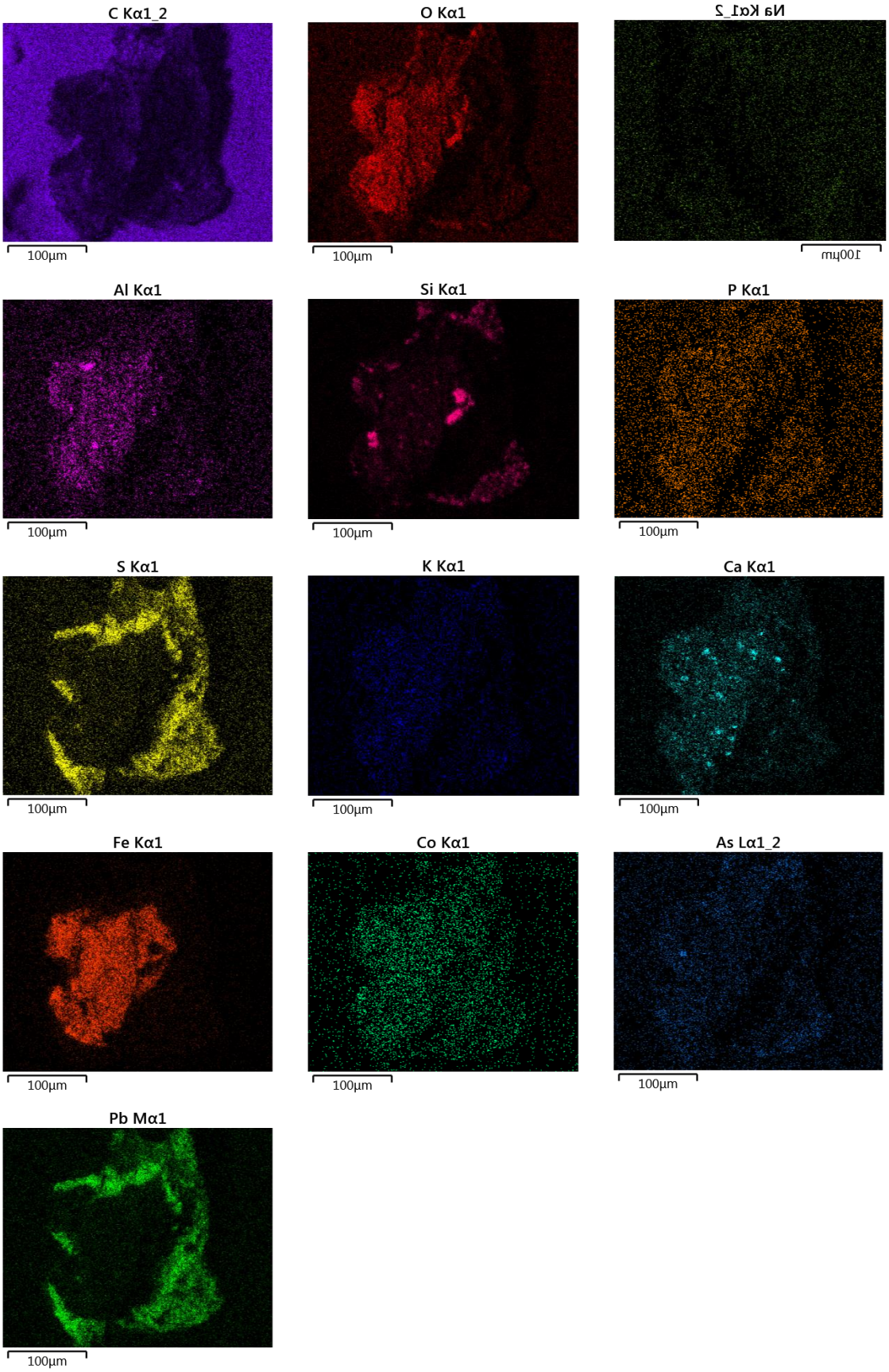

269
Wt% σ
C 47.7 0.3
O 28.9 0.2
Pb 14.5 0.2
Si 7.5 0.1
Ca 0.5 0.0
Al 0.4 0.0
Fe 0.3 0.0
K 0.2 0.0
cps/eV
keV



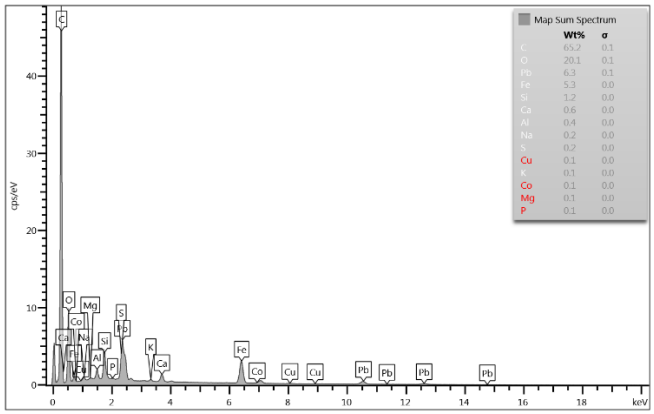
7. Proovitükk II proovist pyha-ohtu-maal-sinine ning analüüsipunktid ja-piirkonnad proovitükil.

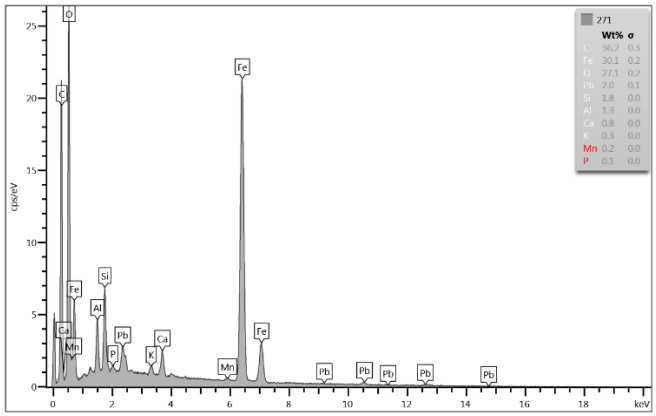


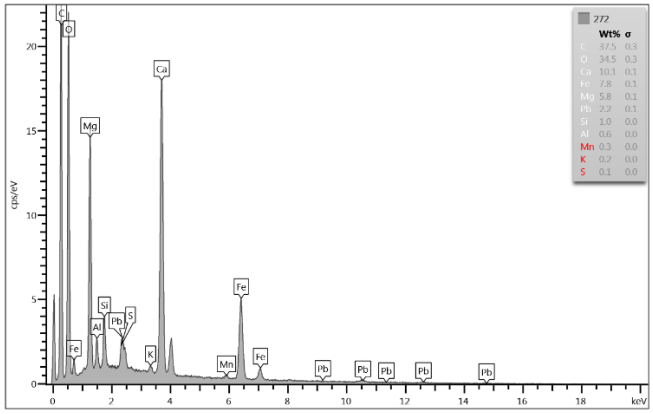
8. Proovitükil II esinevad keemilised elemendid.

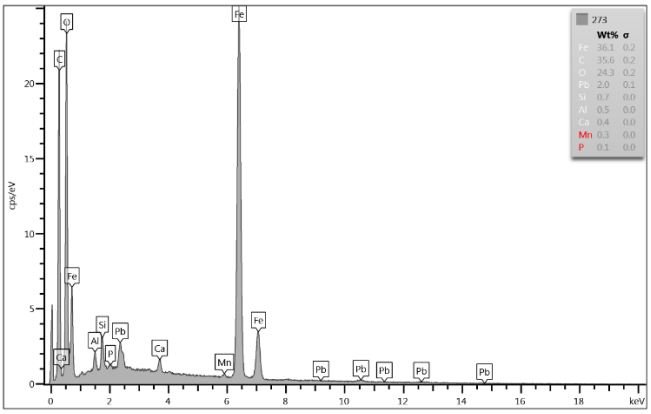


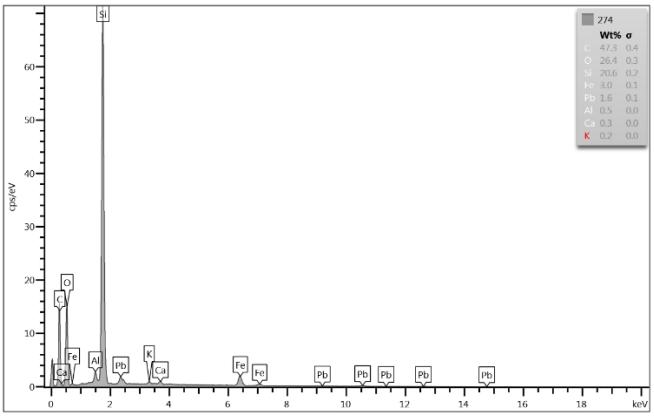
9. Proovitükk II SEM-EDS analüüsi spektrid.

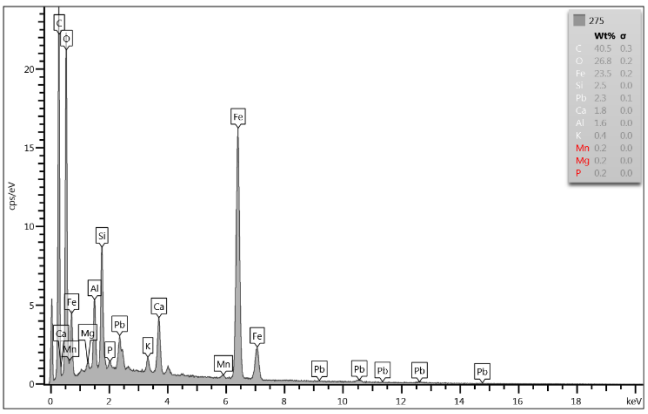


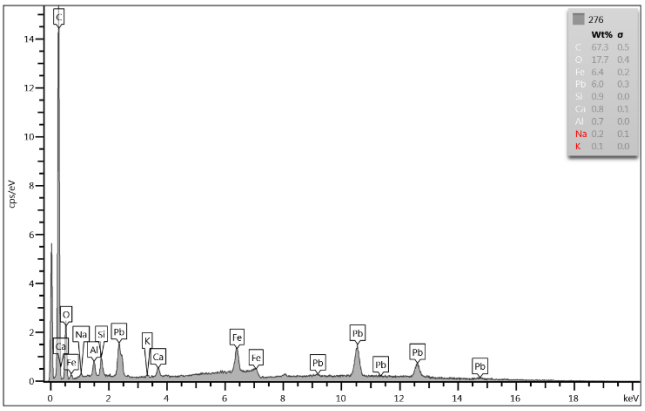


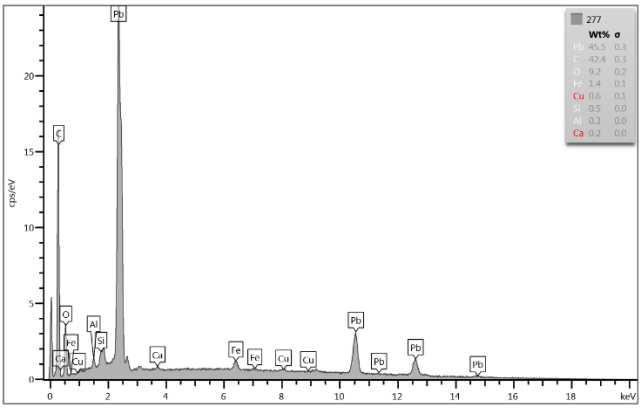


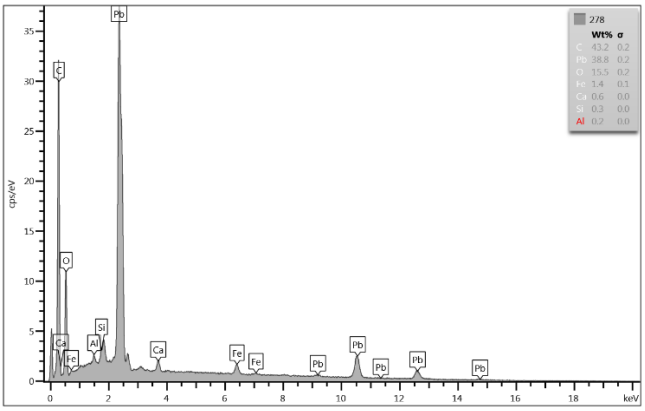

273
Wt% σ
Fe 36.1 0.2
C 35.6 0.2
O 24.3 0.2
Pb 2.0 0.1
Si 0.7 0.0
Al 0.5 0.0
Ca 0.4 0.0
Mn 0.3 0.0
P 0.1 0.0
cps/eV
keV

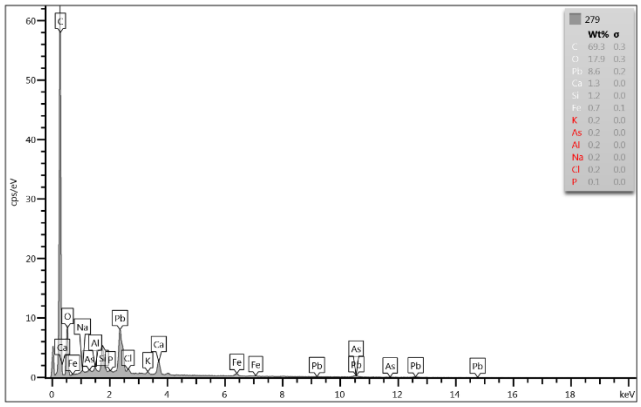

274
Wt% σ
C 47.3 0.4
O 26.4 0.3
Si 20.6 0.2
Fe 3.0 0.1
Pb 1.6 0.1
Al 0.5 0.0
Ca 0.3 0.0
K 0.2 0.0
cps/eV
keV

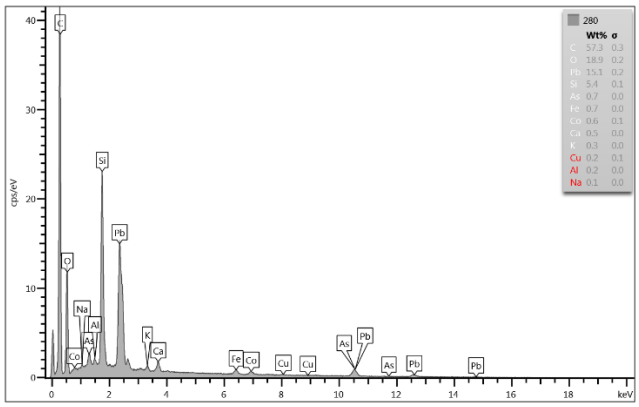

275
Wt% σ
C 40.5 0.3
O 26.8 0.2
Fe 23.5 0.2
Si 2.5 0.0
Pb 2.3 0.1
Ca 1.8 0.0
Al 1.6 0.0
K 0.4 0.0
Mn 0.2 0.0
Mg 0.2 0.0
P 0.2 0.0
cps/eV
keV

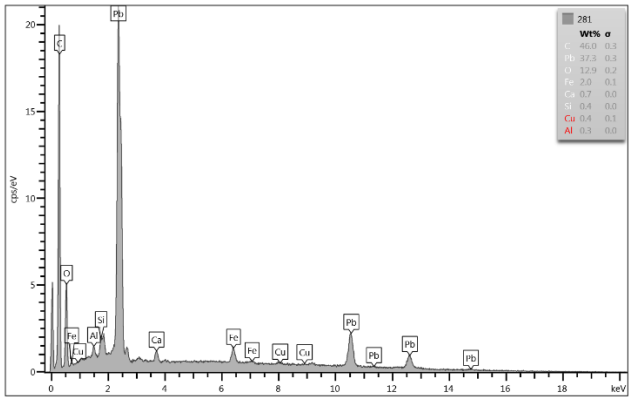

276
Wt% σ
C 57.3 0.5
O 17.7 0.4
Fe 6.4 0.2
Pb 6.0 0.3
Si 0.9 0.0
Ca 0.8 0.1
Al 0.7 0.0
Na 0.2 0.1
K 0.1 0.0
cps/eV
keV

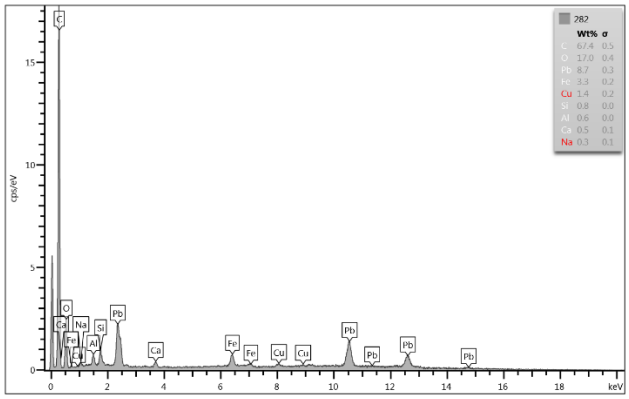

277
Wt% σ
Pb 45.5 0.3
C 42.4 0.3
O 9.2 0.2
Fe 1.4 0.1
Cu 0.6 0.1
Si 0.5 0.0
Al 0.3 0.0
Ca 0.2 0.0
cps/eV
keV

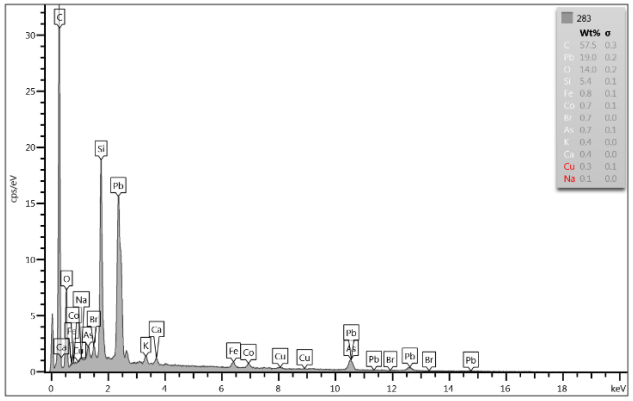

278
Wt% σ
C 43.2 0.2
Pb 38.8 0.2
O 15.5 0.2
Fe 1.4 0.1
Ca 0.6 0.0
Si 0.3 0.0
Al 0.2 0.0
cps/eV
keV

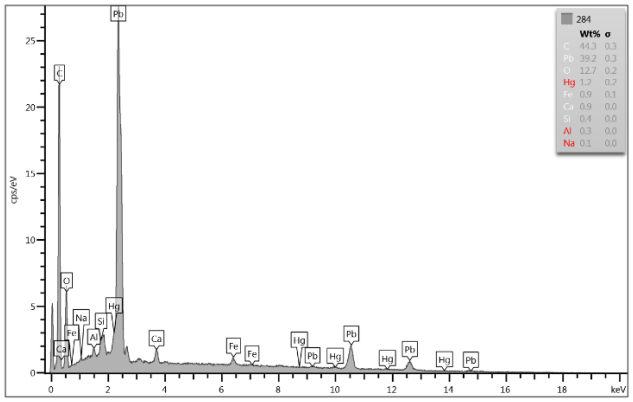

279
Wt% σ
C 69.3 0.3
O 17.9 0.3
Pb 8.6 0.7
Ca 1.3 0.0
Si 1.2 0.0
Fe 0.7 0.1
K 0.2 0.0
As 0.2 0.0
Al 0.2 0.0
Na 0.2 0.0
Cl 0.2 0.0
P 0.1 0.0
cps/eV
keV

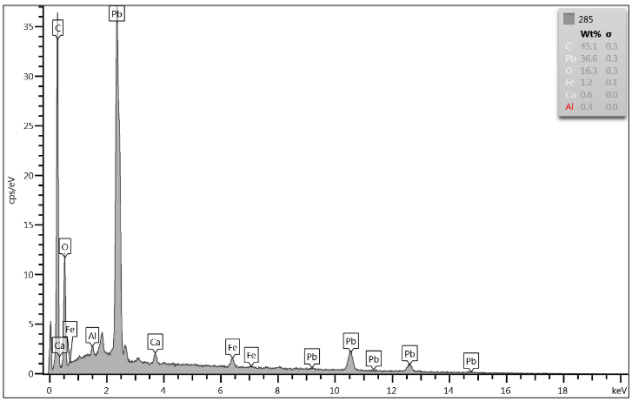

280
Wt% σ
C 57.3 0.3
O 18.9 0.2
Pb 15.1 0.2
Si 5.4 0.1
As 0.7 0.0
Fe 0.7 0.0
Co 0.6 0.1
Ca 0.5 0.0
K 0.3 0.0
Cu 0.2 0.1
Al 0.2 0.0
Na 0.1 0.0
cps/eV
keV

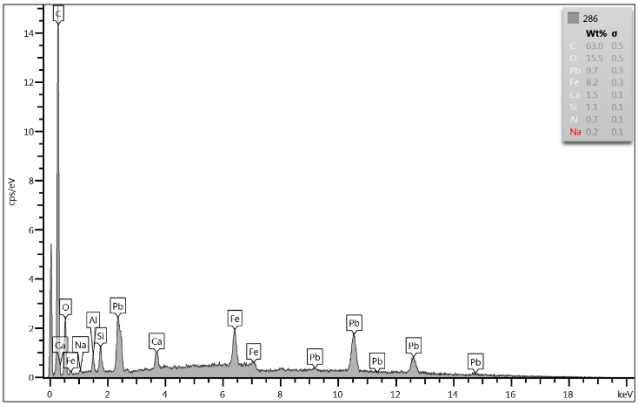

281
Wt% σ
C 46.0 0.3
Pb 37.3 0.3
O 12.9 0.2
Fe 2.0 0.1
Ca 0.7 0.0
Si 0.4 0.0
Cu 0.4 0.1
Al 0.3 0.0
cps/eV
keV

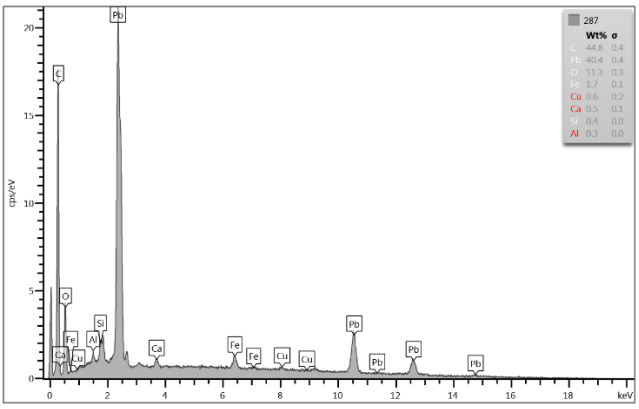

282
Wt% σ
C 67.4 0.5
O 17.0 0.4
Pb 8.7 0.3
Fe 3.3 0.2
Cu 1.4 0.2
Si 0.8 0.0
Al 0.6 0.0
Ca 0.5 0.1
Na 0.3 0.1
cps/eV
keV

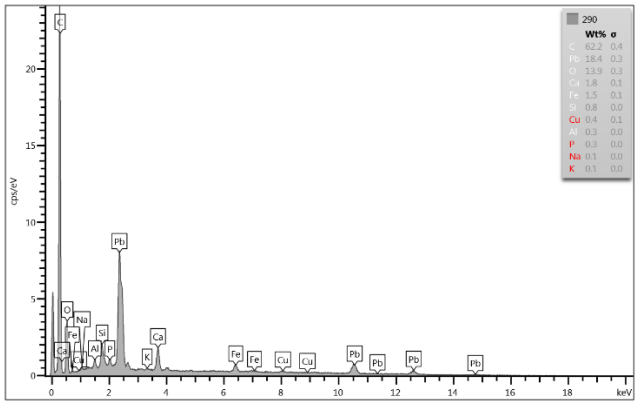

283
Wt% σ
C 57.5 0.3
Pb 19.0 0.2
O 14.0 0.2
Si 5.4 0.1
Fe 0.8 0.1
Co 0.7 0.1
Br 0.7 0.0
As 0.7 0.1
K 0.4 0.0
Ca 0.4 0.0
Cu 0.3 0.1
Na 0.1 0.0
cps/eV
keV


284
Wt% σ
C 44.3 0.3
Pb 39.2 0.3
O 12.7 0.2
Hg 1.2 0.2
Ca 0.9 0.1
Cl 0.9 0.0
Si 0.4 0.0
Al 0.3 0.0
Na 0.1 0.0
cps/eV
keV


285
Wt% σ
C 45.1 0.3
Pb 36.6 0.3
O 16.3 0.3
Fe 1.2 0.1
Ca 0.6 0.0
Al 0.3 0.0
cps/eV
keV


286
Wt% σ
C 63.0 0.5
O 15.5 0.5
Pb 9.7 0.3
Fe 8.2 0.3
Ca 1.5 0.1
Si 1.1 0.1
Al 0.7 0.1
Na 0.2 0.1
cps/eV
keV

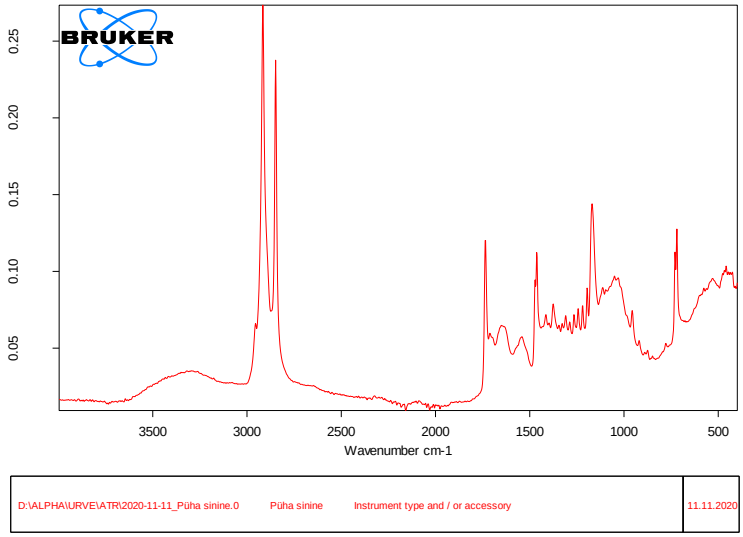

287
Wt% σ
C 44.8 0.4
Pb 40.4 0.4
O 11.3 0.3
Fe 1.7 0.1
Cu 0.6 0.2
Ca 0.5 0.1
Si 0.4 0.0
Al 0.3 0.0
cps/eV
keV


290
Wt% σ
C 62.2 0.4
Pb 18.4 0.3
O 13.9 0.3
Ca 1.8 0.1
Fe 1.5 0.1
Si 0.8 0.0
Cu 0.4 0.1
Al 0.3 0.0
P 0.3 0.0
Na 0.1 0.0
K 0.1 0.0
cps/eV
keV
C
O
Na
Fe
Si
Ca
Al
P
K
Pb
Cu

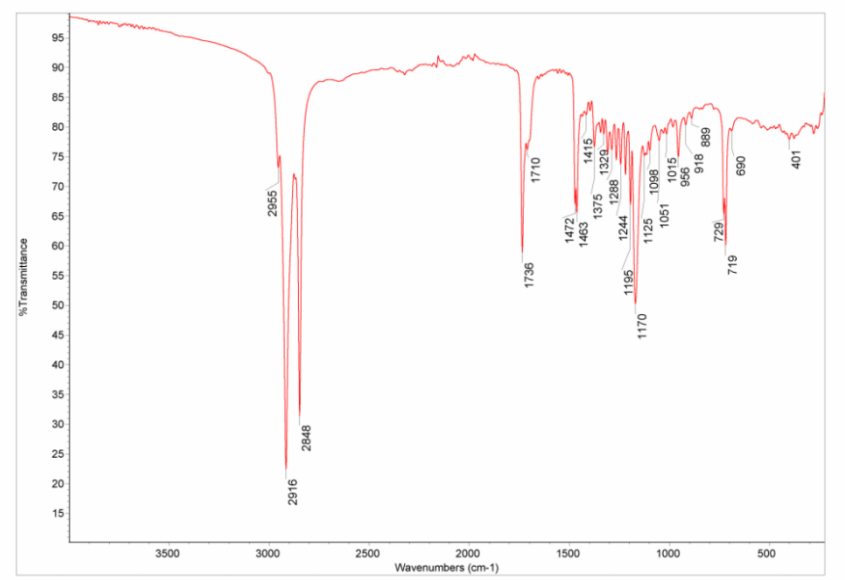
Lisa 3 – Proovi TalTech 1 analüüsi ATR-FT-IR analüüsi spektrid.

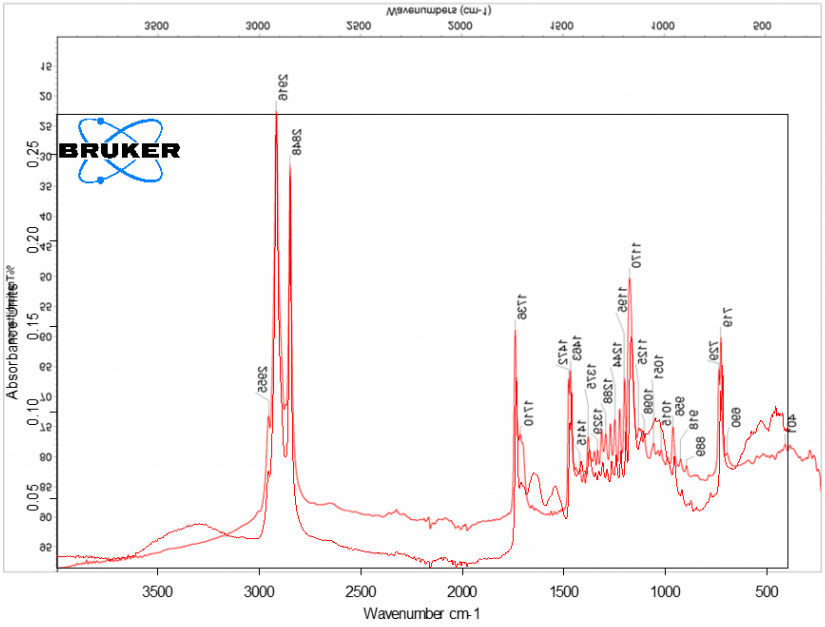
Võrdlusena on kasutatud spektreid, mis pärinevad lehelt Database of ATR-FT-IR spectra of various materials, aadress: https://spectra.chem.ut.ee/. Proove analüüsiti Tallinna Tehnikaülikoolis Urve Kallavuse juhendamisel.

1. Proovi TalTech 1 spekter

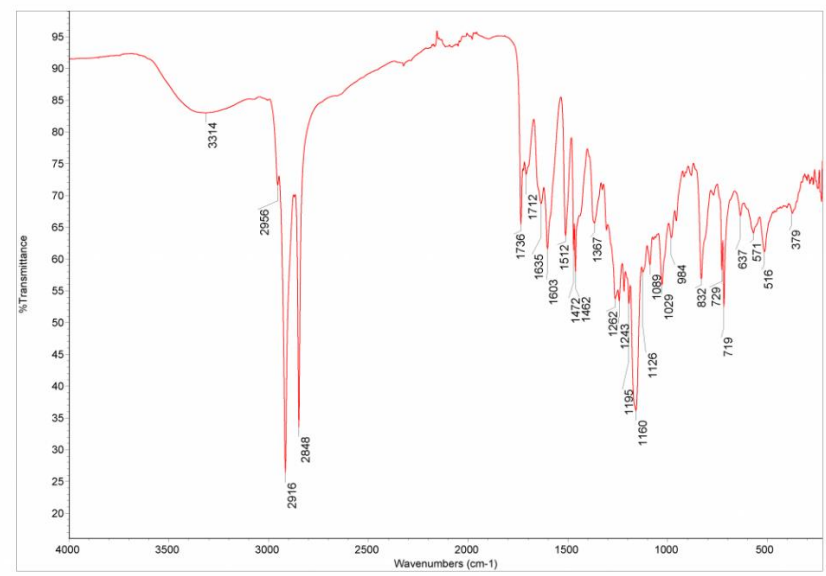


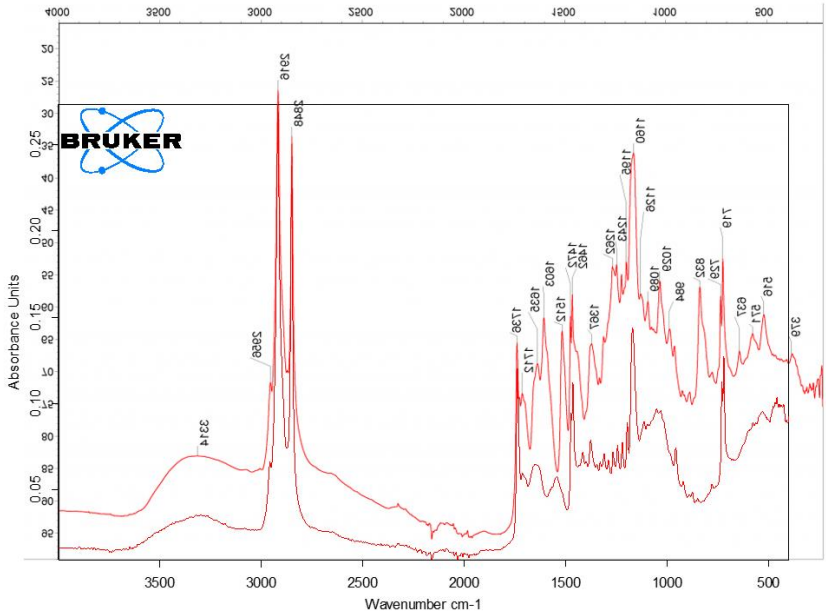
2. Mesilasvaha spekter ja mesilasvaha ning proovi spekter üksteise peale asetatult.



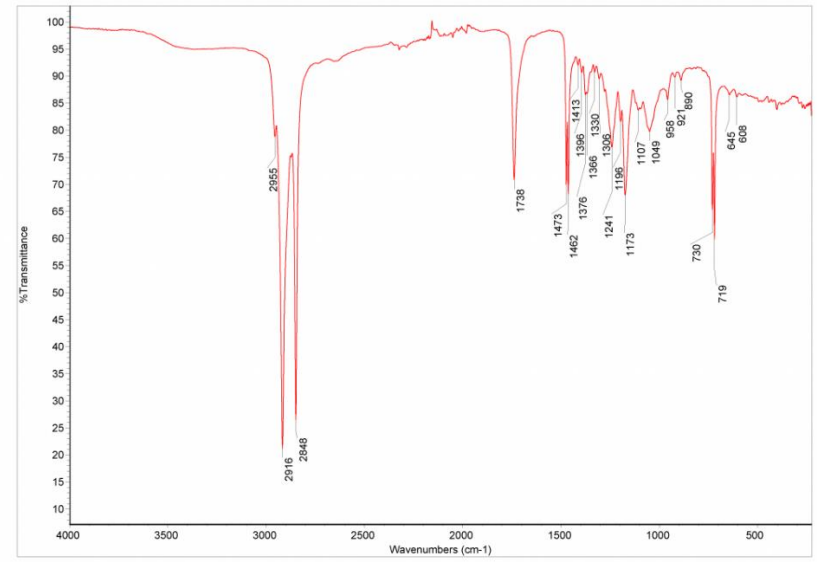


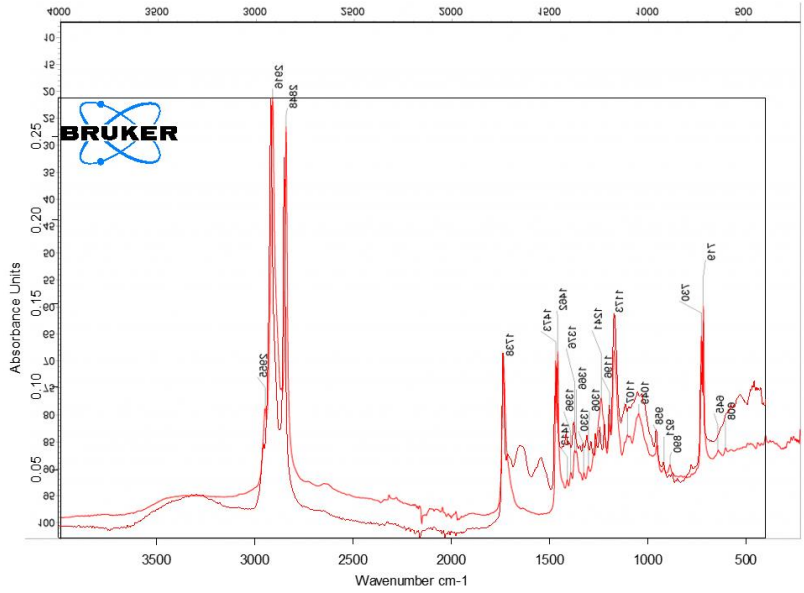
3. Taruvaigu spekter ja taruvaingu ning proovi spekter üksteise peale asetatult.





4. Šellaki vaha spekter ja šellaki vaha ning proovi spekter üksteise peale asetatult.





5. Šellaki spekter ja šellaki ning proovi spekter üksteise peale asetatult.