

1.90_Assunzione 01_giallo

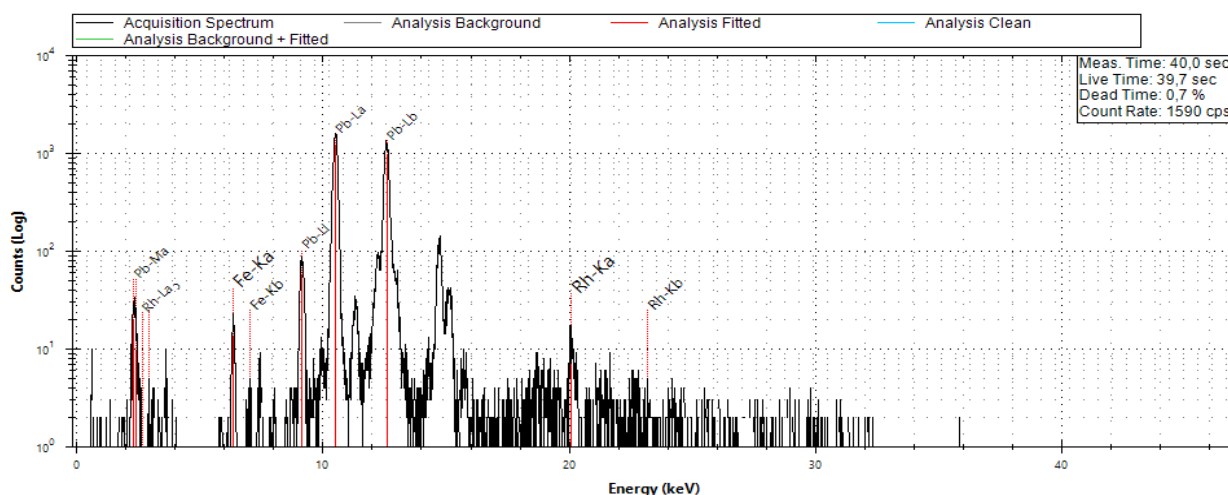
02/02/2024 10:02:16



Measurement Time: 40,0 s
Tube Voltage: 40 kV
Tube Current: 20 μ A
Tube Target Material: Rh
Elio Device: SN1900
Device Mode: Head
Acquisition Mode: Manual
Acquisition Channels: 4096
Sample to Detector Material: Air



Spectrum:



Analysis Results:

Element	Concentration	Error
Pb	98,17%	$\pm 0,71\%$
Fe	1,83%	$\pm 8,23\%$

Analysis Date and Time: 02/02/2024 10:01:11
Analysis Type: Automatic
Spectrum Left Cut: 1 keV
Spectrum Right Cut: 50 keV
Spectrum Upper Limit: 50 keV
Use M Line: True
Super Impose Peak Areas: True

Excluded Elements for Fitting Analysis:

He, Lr, No, Md, Fm, Es, Cf, Bk, Cm, Am, Pu, Np, U, Pa, Th, Lu, Yb, Tm, Er, Ho, Dy, Tb, Gd, Eu, Sm, Pm, Nd, Pr, Ce, Ac, Rn, At, Xe, I, Kr, Br, Cl, Ne, F, Po, Se, O, N, Ti, In, Ge, Ga, C, B, Pt, Ir, Pd, Os, Re, Ru, Tc, W, Ta, Nb, Cr, V, Hf, La, Zr, Y, Sc, Ra, Fr, Cs, Mg, Na, Be, Li, H

Excluded Elements for FP Analysis:

Ar, Bi:M, Sb:L, Pb:K, Sn:L, Hg:K, Au:M, Ag:L, Rh, Mo:L

Notes:

Giallo chiaro dell'anfora (lumeggiatura)

1.90 assunzione 2-giallo

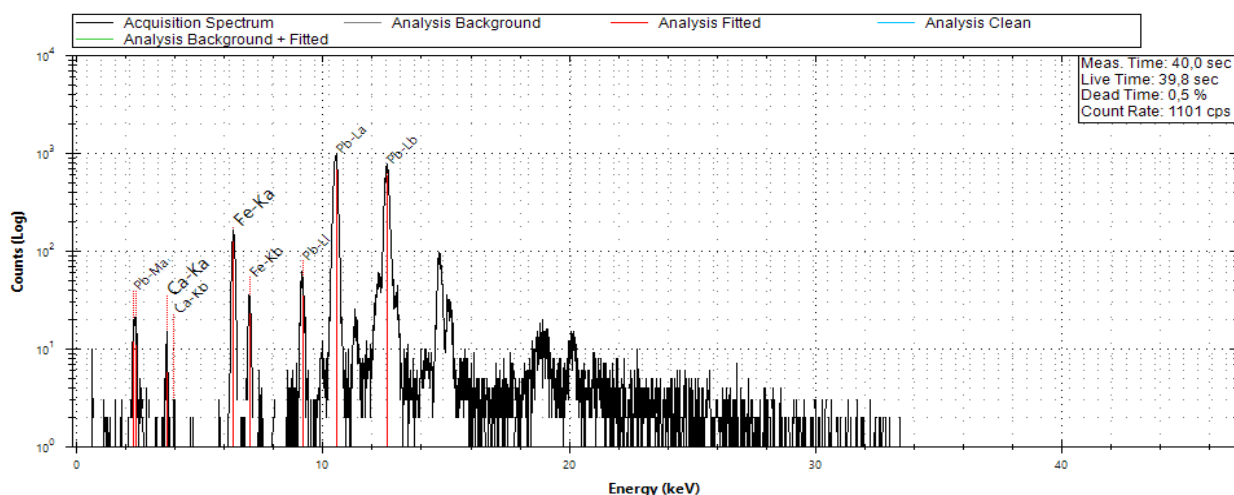
02/02/2024 10:06:39



Measurement Time: 40,0 s
Tube Voltage: 40 kV
Tube Current: 20 μ A
Tube Target Material: Rh
Elio Device: SN1900
Device Mode: Head
Acquisition Mode: Manual
Acquisition Channels: 4096
Sample to Detector Material: Air



Spectrum:



Analysis Results:

Element	Concentration	Error
Pb	74,98%	$\pm 0,89\%$
Fe	18,13%	$\pm 2,54\%$
Ca	6,89%	$\pm 12,35\%$

Analysis Date and Time: 02/02/2024 10:04:36
Analysis Type: Automatic
Spectrum Left Cut: 1 keV
Spectrum Right Cut: 50 keV
Spectrum Upper Limit: 50 keV
Use M Line: True
Super Impose Peak Areas: True

Excluded Elements for Fitting Analysis:

He, Lr, No, Md, Fm, Es, Cf, Bk, Cm, Am, Pu, Np,
U, Pa, Th, Lu, Yb, Tm, Er, Ho, Dy, Tb, Gd, Eu,
Sm, Pm, Nd, Pr, Ce, Ac, Rn, At, Xe, I, Kr, Br, Cl,
Ne, F, Po, Se, O, N, Ti, In, Ge, Ga, C, B, Pt, Ir,
Pd, Os, Re, Ru, Tc, W, Ta, Nb, Cr, V, Hf, La, Zr,
Y, Sc, Ra, Fr, Cs, Mg, Na, Be, Li, H

Excluded Elements for FP Analysis:

Ar, Bi:M, Sb:L, Pb:K, Sn:L, Hg:K, Au:M, Ag:L,
Rh, Mo:L

Notes:

Giallo intermedio dell'anfora

1.90 assunzione 3-giallo

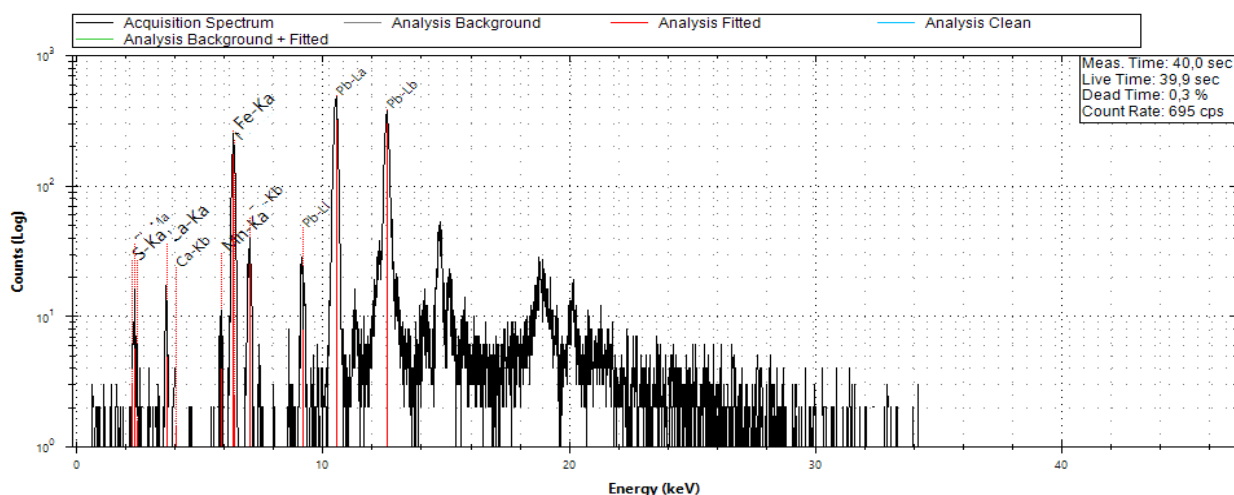
02/02/2024 10:08:19



Measurement Time: 40,0 s
Tube Voltage: 40 kV
Tube Current: 20 μ A
Tube Target Material: Rh
Elio Device: SN1900
Device Mode: Head
Acquisition Mode: Manual
Acquisition Channels: 4096
Sample to Detector Material: Air



Spectrum:



Analysis Results:

Element	Concentration	Error
Pb	44,36%	$\pm 1,21\%$
Fe	29,26%	$\pm 2\%$
S	15,22%	$\pm 20,41\%$
Ca	9,98%	$\pm 9,75\%$
Mn	1,18%	$\pm 11,27\%$

Analysis Date and Time: 02/02/2024 10:07:25
Analysis Type: Automatic
Spectrum Left Cut: 1 keV
Spectrum Right Cut: 50 keV
Spectrum Upper Limit: 50 keV
Use M Line: True
Super Impose Peak Areas: True

Excluded Elements for Fitting Analysis:
He, Lr, No, Md, Fm, Es, Cf, Bk, Cm, Am, Pu, Np,
U, Pa, Th, Lu, Yb, Tm, Er, Ho, Dy, Tb, Gd, Eu,
Sm, Pm, Nd, Pr, Ce, Ac, Rn, At, Xe, I, Kr, Br, Cl,
Ne, F, Po, Se, O, N, Ti, In, Ge, Ga, C, B, Pt, Ir,
Pd, Os, Re, Ru, Tc, W, Ta, Nb, Cr, V, Hf, La, Zr,
Y, Sc, Ra, Fr, Cs, Mg, Na, Be, Li, H

Excluded Elements for FP Analysis:
Ar, Bi:M, Sb:L, Pb:K, Sn:L, Hg:K, Au:M, Ag:L,
Rh, Mo:L

Notes:

Giallo scuro dell'anfora

1.90 Assunzione 04-giallo

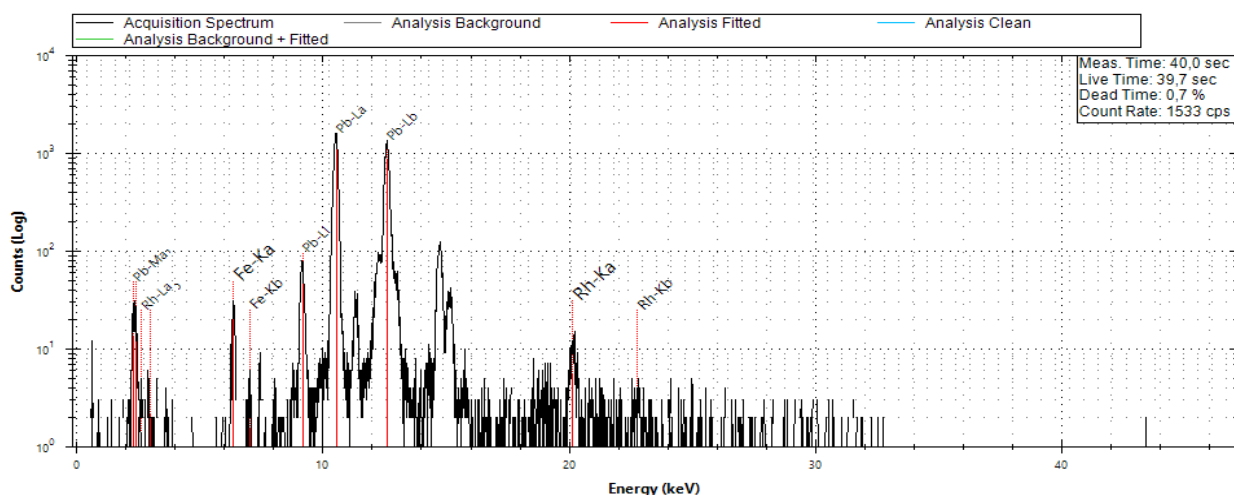
02/02/2024 10:12:21



Measurement Time: 40,0 s
Tube Voltage: 40 kV
Tube Current: 20 μ A
Tube Target Material: Rh
Elio Device: SN1900
Device Mode: Head
Acquisition Mode: Manual
Acquisition Channels: 4096
Sample to Detector Material: Air



Spectrum:



Analysis Results:

Element	Concentration	Error
Pb	96,8%	$\pm 0,75\%$
Fe	3,2%	$\pm 6,61\%$

Analysis Date and Time: 02/02/2024 10:11:38
Analysis Type: Automatic
Spectrum Left Cut: 1 keV
Spectrum Right Cut: 50 keV
Spectrum Upper Limit: 50 keV
Use M Line: True
Super Impose Peak Areas: True

Excluded Elements for Fitting Analysis:

He, Lr, No, Md, Fm, Es, Cf, Bk, Cm, Am, Pu, Np, U, Pa, Th, Lu, Yb, Tm, Er, Ho, Dy, Tb, Gd, Eu, Sm, Pm, Nd, Pr, Ce, Ac, Rn, At, Xe, I, Kr, Br, Cl, Ne, F, Po, Se, O, N, Ti, In, Ge, Ga, C, B, Pt, Ir, Pd, Os, Re, Ru, Tc, W, Ta, Nb, Cr, V, Hf, La, Zr, Y, Sc, Ra, Fr, Cs, Mg, Na, Be, Li, H

Excluded Elements for FP Analysis:

Ar, Bi:M, Sb:L, Pb:K, Sn:L, Hg:K, Au:M, Ag:L, Rh, Mo:L

Notes:

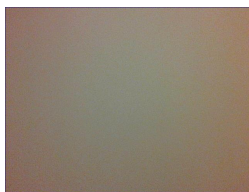
Giallo chiaro del mantello di San Pietro

1.90 Assunzione 05-giallo

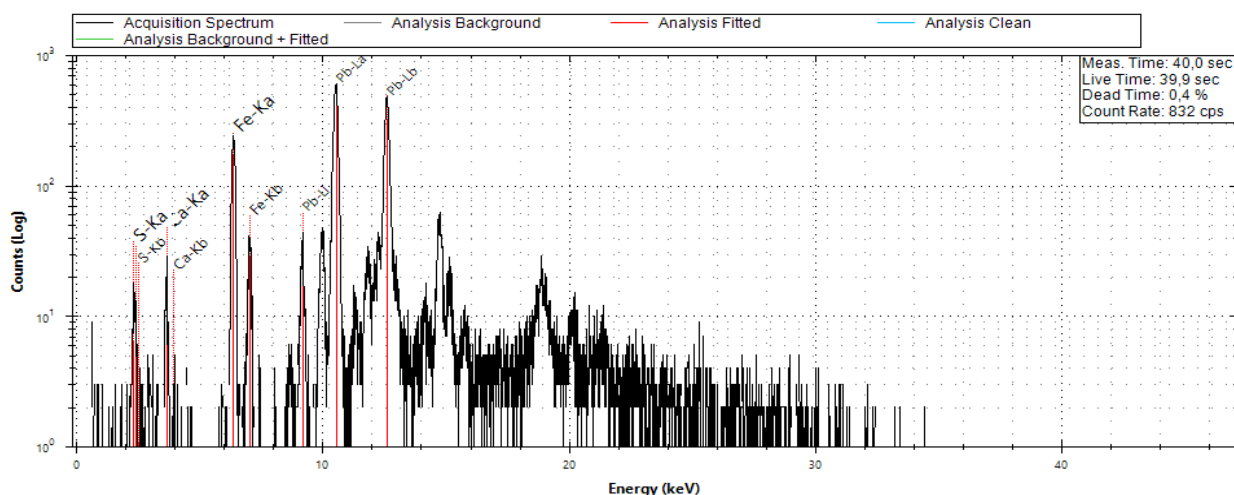
02/02/2024 10:16:01



Measurement Time: 40,0 s
Tube Voltage: 40 kV
Tube Current: 20 μ A
Tube Target Material: Rh
Elio Device: SN1900
Device Mode: Head
Acquisition Mode: Manual
Acquisition Channels: 4096
Sample to Detector Material: Air



Spectrum:



Analysis Results:

Element	Concentration	Error
S	28,95%	$\pm 15,37\%$
Fe	28,91%	$\pm 2,14\%$
Pb	27,75%	$\pm 1,2\%$
Ca	14,4%	$\pm 8,47\%$

Analysis Date and Time: 02/02/2024 10:13:20
Analysis Type: Automatic
Spectrum Left Cut: 1 keV
Spectrum Right Cut: 50 keV
Spectrum Upper Limit: 50 keV
Use M Line: True
Super Impose Peak Areas: True

Excluded Elements for Fitting Analysis:

He, Lr, No, Md, Fm, Es, Cf, Bk, Cm, Am, Pu, Np, U, Pa, Th, Lu, Yb, Tm, Er, Ho, Dy, Tb, Gd, Eu, Sm, Pm, Nd, Pr, Ce, Ac, Rn, At, Xe, I, Kr, Br, Cl, Ne, F, Po, Se, O, N, Ti, In, Ge, Ga, C, B, Pt, Ir, Pd, Os, Re, Ru, Tc, W, Ta, Nb, Cr, V, Hf, La, Zr, Y, Sc, Ra, Fr, Cs, Mg, Na, Be, Li, H

Excluded Elements for FP Analysis:

Ar, Bi:M, Sb:L, Pb:K, Sn:L, Hg:K, Au:M, Ag:L, Rh, Mo:L

Notes:

Giallo intermedio del mantello di San Pietro

1.90 Assunzione 06-giallo

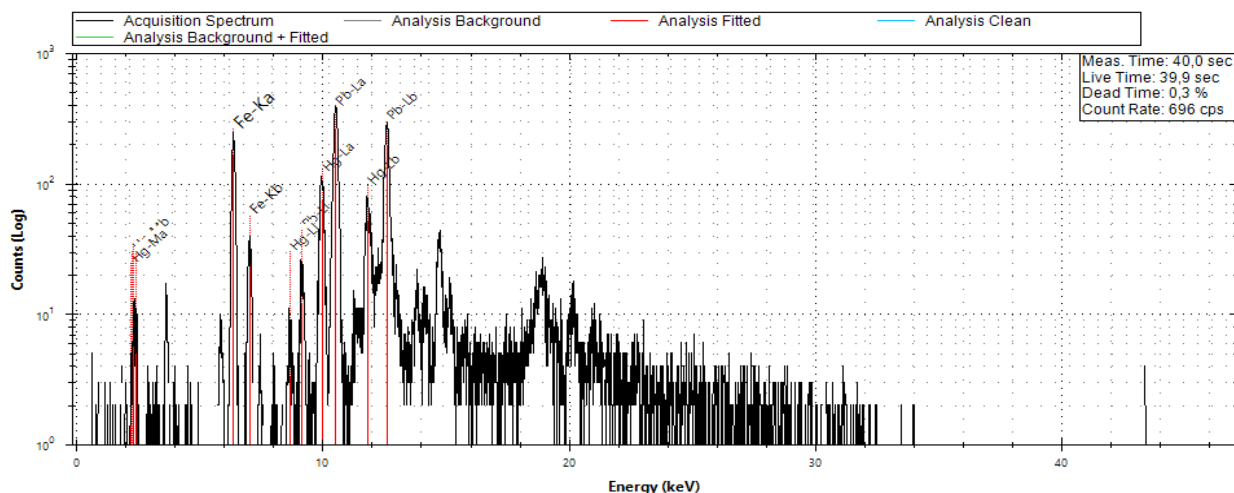
02/02/2024 10:18:46



Measurement Time: 40,0 s
Tube Voltage: 40 kV
Tube Current: 20 μ A
Tube Target Material: Rh
Elio Device: SN1900
Device Mode: Head
Acquisition Mode: Manual
Acquisition Channels: 4096
Sample to Detector Material: Air



Spectrum:



Analysis Results:

Element	Concentration	Error
Pb	47,43%	$\pm 1,52\%$
Fe	31,81%	$\pm 2,24\%$
Hg	20,76%	$\pm 2,84\%$

Analysis Date and Time: 02/02/2024 10:16:42
Analysis Type: Automatic
Spectrum Left Cut: 1 keV
Spectrum Right Cut: 50 keV
Spectrum Upper Limit: 50 keV
Use M Line: True
Super Impose Peak Areas: True

Excluded Elements for Fitting Analysis:

He, Lr, No, Md, Fm, Es, Cf, Bk, Cm, Am, Pu, Np, U, Pa, Th, Lu, Yb, Tm, Er, Ho, Dy, Tb, Gd, Eu, Sm, Pm, Nd, Pr, Ce, Ac, Rn, At, Xe, I, Kr, Br, Cl, Ne, F, Po, Se, O, N, Ti, In, Ge, Ga, C, B, Pt, Ir, Pd, Os, Re, Ru, Tc, W, Ta, Nb, Cr, V, Hf, La, Zr, Y, Sc, Ra, Fr, Cs, Mg, Na, Be, Li, H

Excluded Elements for FP Analysis:

Ar, Bi:M, Sb:L, Pb:K, Sn:L, Hg:K, Au:M, Ag:L, Rh, Mo:L

Notes:

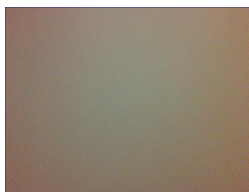
Giallo scuro del mantello di San Pietro

1.90 Assunzione 07-giallo

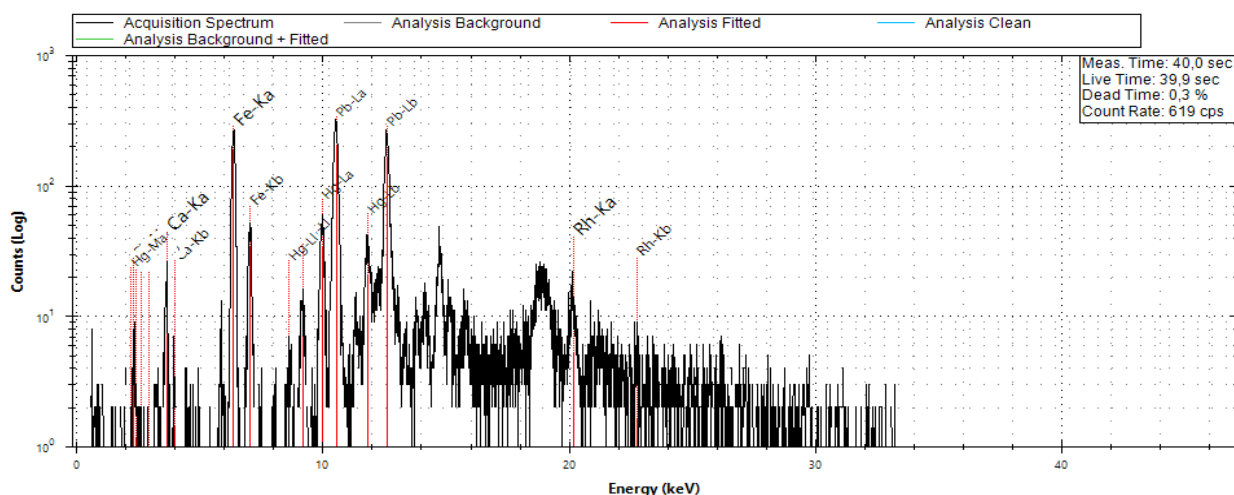
02/02/2024 10:22:16



Measurement Time: 40,0 s
Tube Voltage: 40 kV
Tube Current: 20 μ A
Tube Target Material: Rh
Elio Device: SN1900
Device Mode: Head
Acquisition Mode: Manual
Acquisition Channels: 4096
Sample to Detector Material: Air



Spectrum:



Analysis Results:

Element	Concentration	Error
Fe	41,06%	$\pm 2,04\%$
Pb	26,99%	$\pm 1,71\%$
Ca	17,49%	$\pm 8,3\%$
Hg	14,46%	$\pm 4,28\%$

Analysis Date and Time: 02/02/2024 10:21:01
Analysis Type: Automatic
Spectrum Left Cut: 1 keV
Spectrum Right Cut: 50 keV
Spectrum Upper Limit: 50 keV
Use M Line: True
Super Impose Peak Areas: True

Excluded Elements for Fitting Analysis:

He, Lr, No, Md, Fm, Es, Cf, Bk, Cm, Am, Pu, Np, U, Pa, Th, Lu, Yb, Tm, Er, Ho, Dy, Tb, Gd, Eu, Sm, Pm, Nd, Pr, Ce, Ac, Rn, At, Xe, I, Kr, Br, Cl, Ne, F, Po, Se, O, N, Ti, In, Ge, Ga, C, B, Pt, Ir, Pd, Os, Re, Ru, Tc, W, Ta, Nb, Cr, V, Hf, La, Zr, Y, Sc, Ra, Fr, Cs, Mg, Na, Be, Li, H

Excluded Elements for FP Analysis:

Ar, Bi:M, Sb:L, Pb:K, Sn:L, Hg:K, Au:M, Ag:L, Rh, Mo:L

Notes:

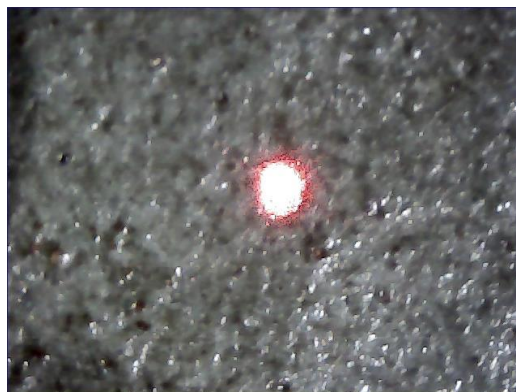
Giallo scuro 2 del mantello di San Pietro

1.90 Assunzione 08-azzurro

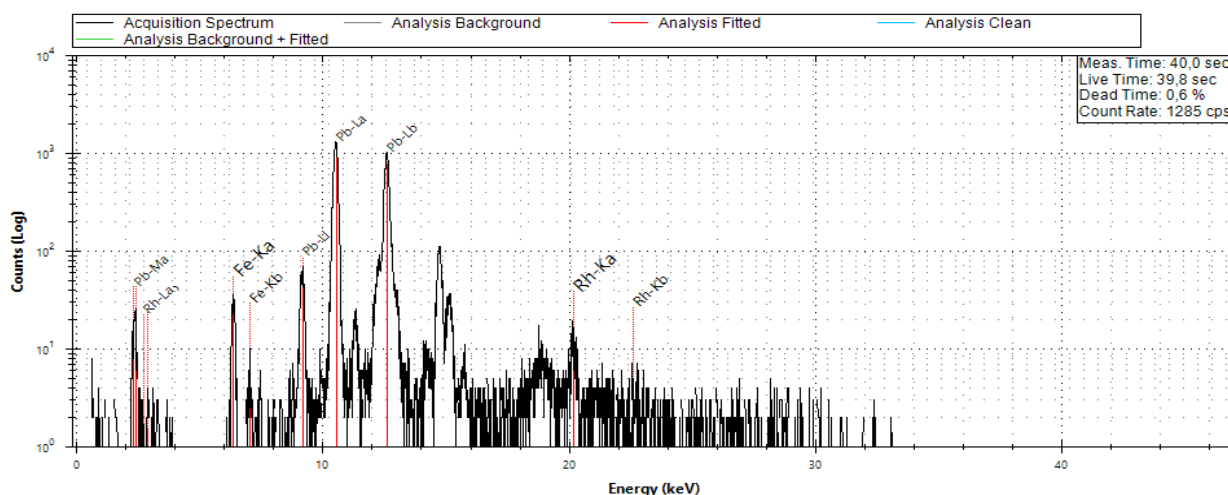
02/02/2024 10:27:17



Measurement Time: 40,0 s
Tube Voltage: 40 kV
Tube Current: 20 μ A
Tube Target Material: Rh
Elio Device: SN1900
Device Mode: Head
Acquisition Mode: Manual
Acquisition Channels: 4096
Sample to Detector Material: Air



Spectrum:



Analysis Results:

Element	Concentration	Error
Pb	95,4%	$\pm 0,78\%$
Fe	4,6%	$\pm 5,77\%$

Analysis Date and Time: 02/02/2024 10:26:25
Analysis Type: Automatic
Spectrum Left Cut: 1 keV
Spectrum Right Cut: 50 keV
Spectrum Upper Limit: 50 keV
Use M Line: True
Super Impose Peak Areas: True

Excluded Elements for Fitting Analysis:

He, Lr, No, Md, Fm, Es, Cf, Bk, Cm, Am, Pu, Np, U, Pa, Th, Lu, Yb, Tm, Er, Ho, Dy, Tb, Gd, Eu, Sm, Pm, Nd, Pr, Ce, Ac, Rn, At, Xe, I, Kr, Br, Cl, Ne, F, Po, Se, O, N, Ti, In, Ge, Ga, C, B, Pt, Ir, Pd, Os, Re, Ru, Tc, W, Ta, Nb, Cr, V, Hf, La, Zr, Y, Sc, Ra, Fr, Cs, Mg, Na, Be, Li, H

Excluded Elements for FP Analysis:

Ar, Bi:M, Sb:L, Pb:K, Sn:L, Hg:K, Au:M, Ag:L, Rh, Mo:L

Notes:

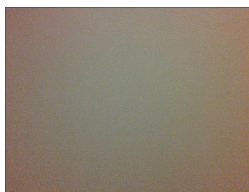
azzurro chiaro della tunica di San Pietro

1.90 Assunzione 09-azzurro

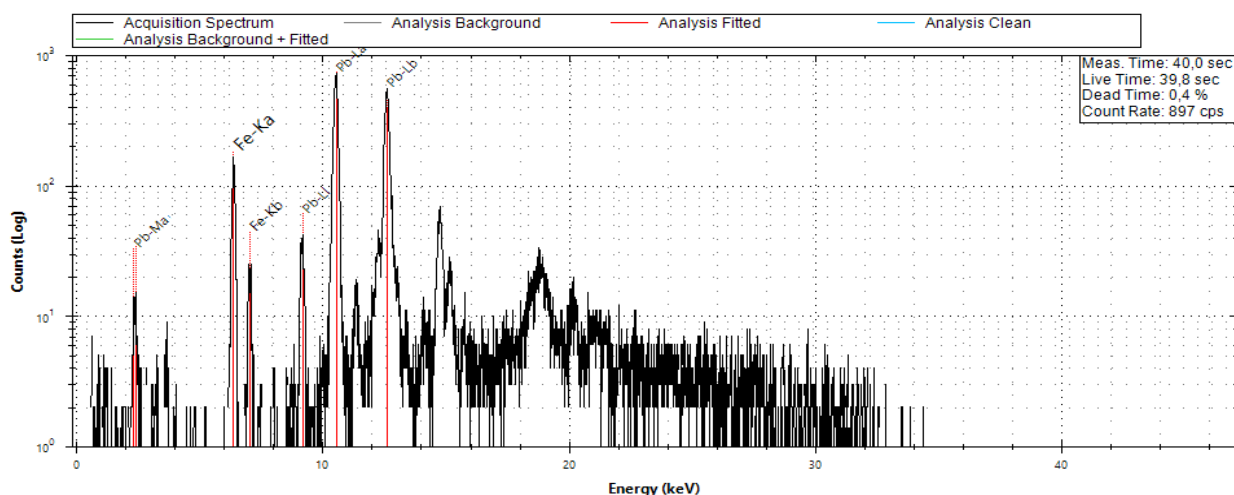


02/02/2024 10:28:50

Measurement Time: 40,0 s
Tube Voltage: 40 kV
Tube Current: 20 μ A
Tube Target Material: Rh
Elio Device: SN1900
Device Mode: Head
Acquisition Mode: Manual
Acquisition Channels: 4096
Sample to Detector Material: Air



Spectrum:



Analysis Results:

Element	Concentration	Error
Pb	73,57%	$\pm 1,06\%$
Fe	26,43%	$\pm 2,68\%$

Analysis Date and Time: 02/02/2024 10:28:23
Analysis Type: Automatic
Spectrum Left Cut: 1 keV
Spectrum Right Cut: 50 keV
Spectrum Upper Limit: 50 keV
Use M Line: True
Super Impose Peak Areas: True

Excluded Elements for Fitting Analysis:

He, Lr, No, Md, Fm, Es, Cf, Bk, Cm, Am, Pu, Np,
U, Pa, Th, Lu, Yb, Tm, Er, Ho, Dy, Tb, Gd, Eu,
Sm, Pm, Nd, Pr, Ce, Ac, Rn, At, Xe, I, Kr, Br, Cl,
Ne, F, Po, Se, O, N, Tl, In, Ge, Ga, C, B, Pt, Ir,
Pd, Os, Re, Ru, Tc, W, Ta, Nb, Cr, V, Hf, La, Zr,
Y, Sc, Ra, Fr, Cs, Mg, Na, Be, Li, H

Excluded Elements for FP Analysis:

Ar, Bi:M, Sb:L, Pb:K, Sn:L, Hg:K, Au:M, Ag:L,
Rh, Mo:L

Notes:

azzurro scuro della tunica di San Pietro

1.90 Assunzione 09-guacia putto

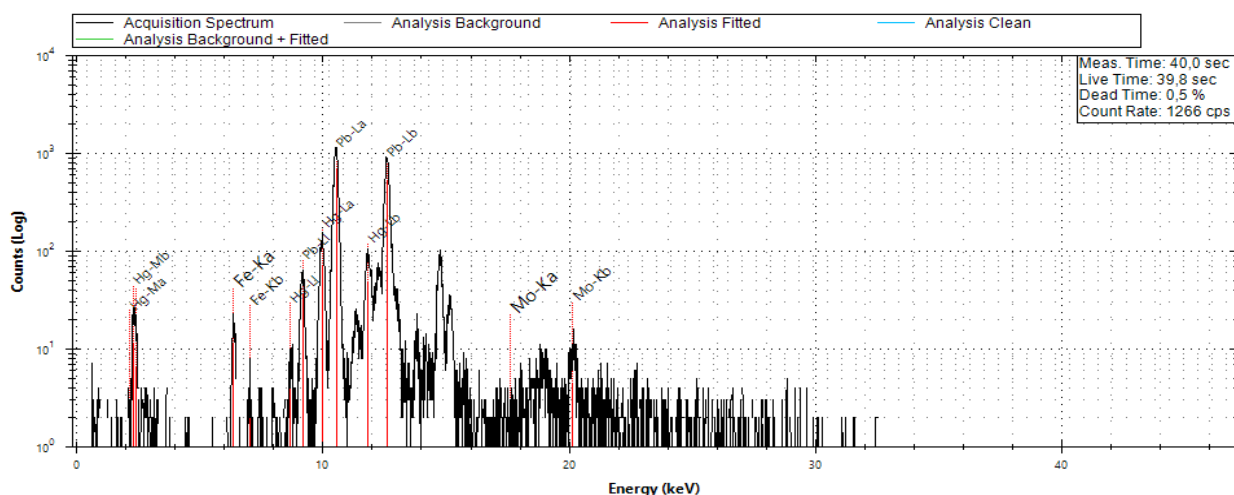
02/02/2024 10:46:25



Measurement Time: 40,0 s
Tube Voltage: 40 kV
Tube Current: 20 μ A
Tube Target Material: Rh
Elio Device: SN1900
Device Mode: Head
Acquisition Mode: Manual
Acquisition Channels: 4096
Sample to Detector Material: Air



Spectrum:



Analysis Results:

Element	Concentration	Error
Pb	80,18%	$\pm 0,94\%$
Hg	16,53%	$\pm 2,86\%$
Fe	2,19%	$\pm 9,15\%$
Mo	1,09%	$\pm 7,94\%$

Analysis Date and Time: 02/02/2024 10:45:25
Analysis Type: Automatic
Spectrum Left Cut: 1 keV
Spectrum Right Cut: 50 keV
Spectrum Upper Limit: 50 keV
Use M Line: True
Super Impose Peak Areas: True

Excluded Elements for Fitting Analysis:

He, Lr, No, Md, Fm, Es, Cf, Bk, Cm, Am, Pu, Np, U, Pa, Th, Lu, Yb, Tm, Er, Ho, Dy, Tb, Gd, Eu, Sm, Pm, Nd, Pr, Ce, Ac, Rn, At, Xe, I, Kr, Br, Cl, Ne, F, Po, Se, O, N, Ti, In, Ge, Ga, C, B, Pt, Ir, Pd, Os, Re, Ru, Tc, W, Ta, Nb, Cr, V, Hf, La, Zr, Y, Sc, Ra, Fr, Cs, Mg, Na, Be, Li, H

Excluded Elements for FP Analysis:

Ar, Bi:M, Sb:L, Pb:K, Sn:L, Hg:K, Au:M, Ag:L, Rh, Mo:L

Notes:

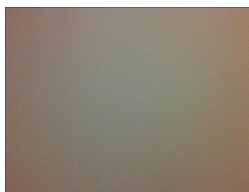
guancia putto a destra

1.90 Assunzione 010-mano corretta

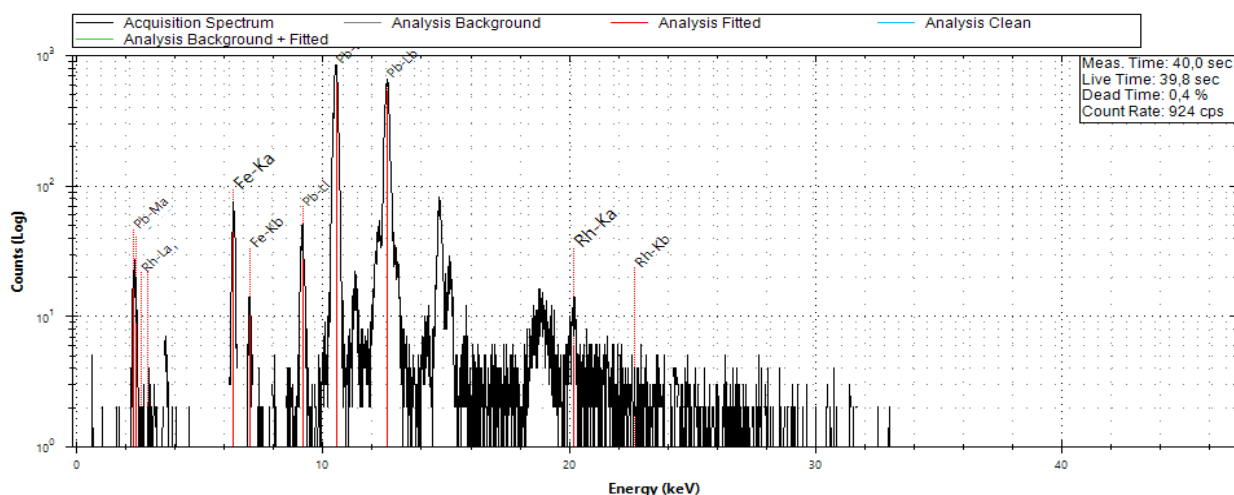


02/02/2024 10:49:22

Measurement Time: 40,0 s
Tube Voltage: 40 kV
Tube Current: 20 μ A
Tube Target Material: Rh
Elio Device: SN1900
Device Mode: Head
Acquisition Mode: Manual
Acquisition Channels: 4096
Sample to Detector Material: Air



Spectrum:



Analysis Results:

Element	Concentration	Error
Pb	91,09%	$\pm 0,91\%$
Fe	8,91%	$\pm 3,81\%$

Analysis Date and Time: 02/02/2024 10:48:47
Analysis Type: Automatic
Spectrum Left Cut: 1 keV
Spectrum Right Cut: 50 keV
Spectrum Upper Limit: 50 keV
Use M Line: True
Super Impose Peak Areas: True

Excluded Elements for Fitting Analysis:

He, Lr, No, Md, Fm, Es, Cf, Bk, Cm, Am, Pu, Np, U, Pa, Th, Lu, Yb, Tm, Er, Ho, Dy, Tb, Gd, Eu, Sm, Pm, Nd, Pr, Ce, Ac, Rn, At, Xe, I, Kr, Br, Cl, Ne, F, Po, Se, O, N, Ti, In, Ge, Ga, C, B, Pt, Ir, Pd, Os, Re, Ru, Tc, W, Ta, Nb, Cr, V, Hf, La, Zr, Y, Sc, Ra, Fr, Cs, Mg, Na, Be, Li, H

Excluded Elements for FP Analysis:

Ar, Bi:M, Sb:L, Pb:K, Sn:L, Hg:K, Au:M, Ag:L, Rh, Mo:L

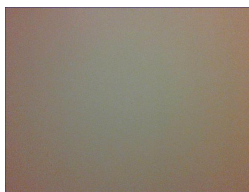
Notes:
mano

1.90 Assunzione 011-incarnato

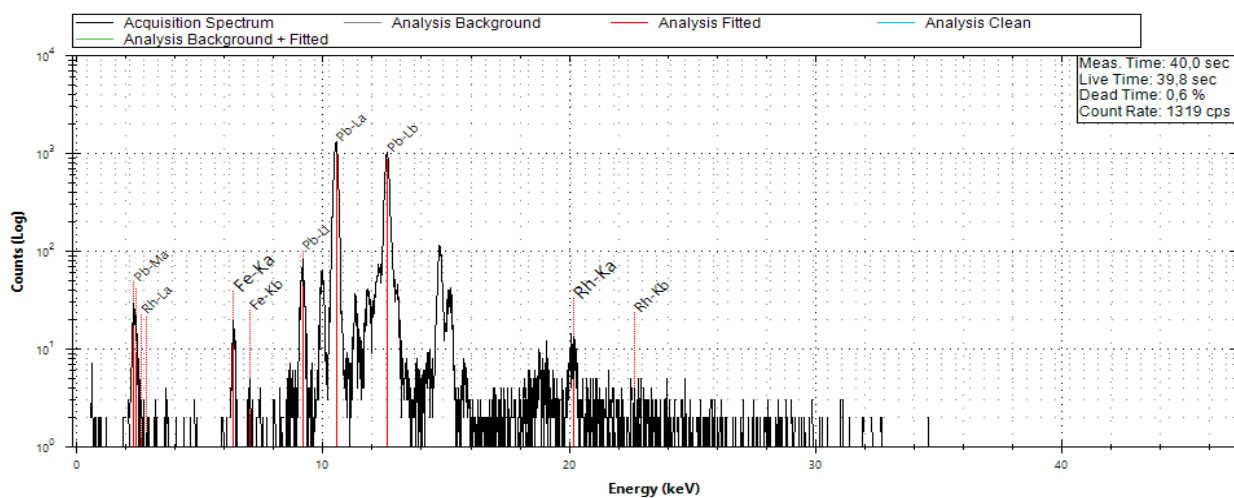
02/02/2024 10:51:29



Measurement Time: 40,0 s
Tube Voltage: 40 kV
Tube Current: 20 μ A
Tube Target Material: Rh
Elio Device: SN1900
Device Mode: Head
Acquisition Mode: Manual
Acquisition Channels: 4096
Sample to Detector Material: Air



Spectrum:



Analysis Results:

Element	Concentration	Error
Pb	98,09%	$\pm 0,73\%$
Fe	1,91%	$\pm 7,68\%$

Analysis Date and Time: 02/02/2024 10:50:48
Analysis Type: Automatic
Spectrum Left Cut: 1 keV
Spectrum Right Cut: 50 keV
Spectrum Upper Limit: 50 keV
Use M Line: True
Super Impose Peak Areas: True

Excluded Elements for Fitting Analysis:

He, Lr, No, Md, Fm, Es, Cf, Bk, Cm, Am, Pu, Np, U, Pa, Th, Lu, Yb, Tm, Er, Ho, Dy, Tb, Gd, Eu, Sm, Pm, Nd, Pr, Ce, Ac, Rn, At, Xe, I, Kr, Br, Cl, Ne, F, Po, Se, O, N, Ti, In, Ge, Ga, C, B, Pt, Ir, Pd, Os, Re, Ru, Tc, W, Ta, Nb, Cr, V, Hf, La, Zr, Y, Sc, Ra, Fr, Cs, Mg, Na, Be, Li, H

Excluded Elements for FP Analysis:

Ar, Bi:M, Sb:L, Pb:K, Sn:L, Hg:K, Au:M, Ag:L, Rh, Mo:L

Notes:

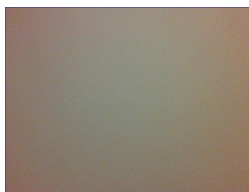
incarnato putto con drappo giallo

1.90 Assunzione 12-incarnato

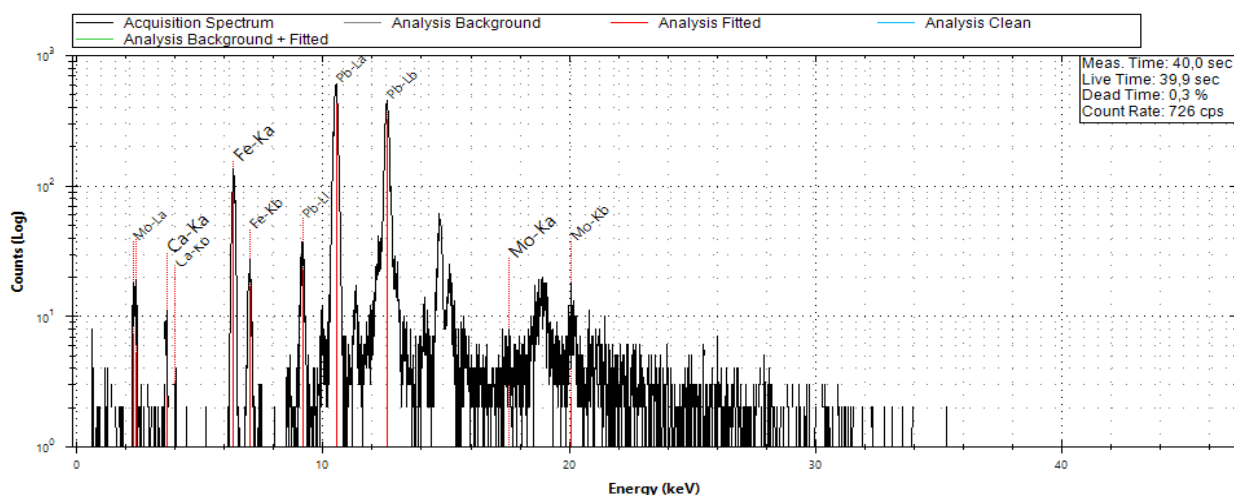


02/02/2024 10:54:09

Measurement Time: 40,0 s
Tube Voltage: 40 kV
Tube Current: 20 μ A
Tube Target Material: Rh
Elio Device: SN1900
Device Mode: Head
Acquisition Mode: Manual
Acquisition Channels: 4096
Sample to Detector Material: Air



Spectrum:



Analysis Results:

Element	Concentration	Error
Pb	61,52%	$\pm 1,19\%$
Fe	27,46%	$\pm 2,87\%$
Ca	10,45%	$\pm 13,42\%$
Mo	0,57%	$\pm 11,34\%$

Analysis Date and Time: 02/02/2024 10:53:37
Analysis Type: Automatic
Spectrum Left Cut: 1 keV
Spectrum Right Cut: 50 keV
Spectrum Upper Limit: 50 keV
Use M Line: True
Super Impose Peak Areas: True

Excluded Elements for Fitting Analysis:

He, Lr, No, Md, Fm, Es, Cf, Bk, Cm, Am, Pu, Np, U, Pa, Th, Lu, Yb, Tm, Er, Ho, Dy, Tb, Gd, Eu, Sm, Pm, Nd, Pr, Ce, Ac, Rn, At, Xe, I, Kr, Br, Cl, Ne, F, Po, Se, O, N, Ti, In, Ge, Ga, C, B, Pt, Ir, Pd, Os, Re, Ru, Tc, W, Ta, Nb, Cr, V, Hf, La, Zr, Y, Sc, Ra, Fr, Cs, Mg, Na, Be, Li, H

Excluded Elements for FP Analysis:

Ar, Bi:M, Sb:L, Pb:K, Sn:L, Hg:K, Au:M, Ag:L, Rh, Mo:L

Notes:

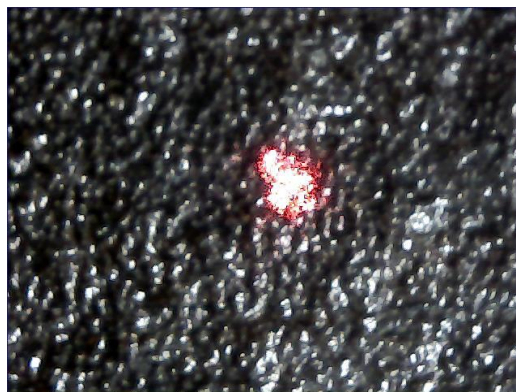
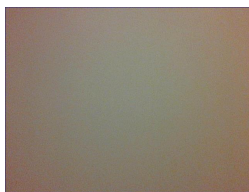
incarnato scuro putto con drappo giallo

1.90 Assunzione 13-azzurro

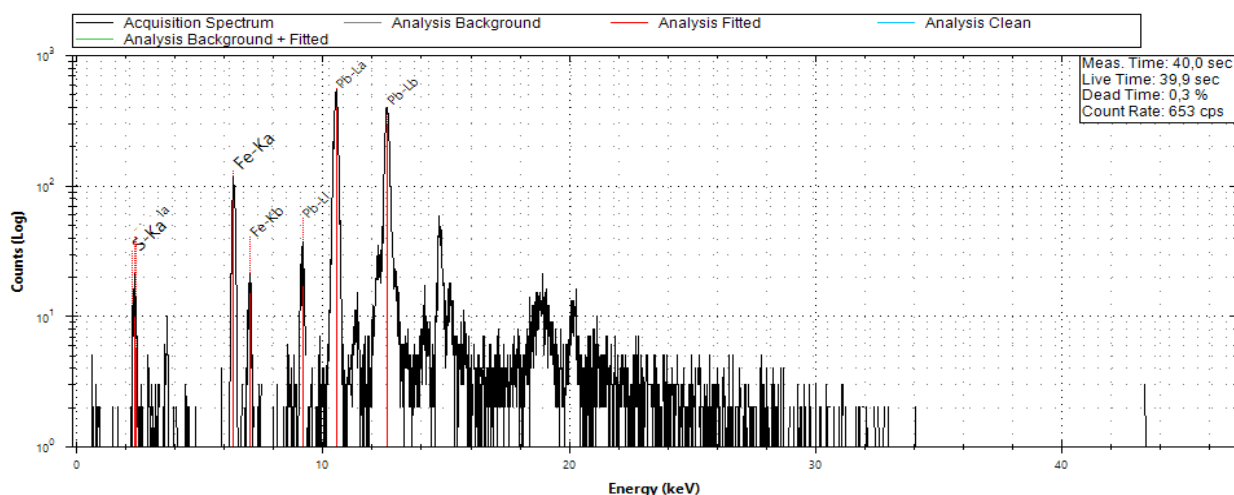
02/02/2024 10:56:25



Measurement Time: 40,0 s
Tube Voltage: 40 kV
Tube Current: 20 μ A
Tube Target Material: Rh
Elio Device: SN1900
Device Mode: Head
Acquisition Mode: Manual
Acquisition Channels: 4096
Sample to Detector Material: Air



Spectrum:



Analysis Results:

Element	Concentration	Error
Pb	49,24 %	$\pm 1,25$ %
S	35,49 %	$\pm 14,7$ %
Fe	15,27 %	$\pm 3,12$ %

Analysis Date and Time: 02/02/2024 10:55:17
Analysis Type: Automatic
Spectrum Left Cut: 1 keV
Spectrum Right Cut: 50 keV
Spectrum Upper Limit: 50 keV
Use M Line: True
Super Impose Peak Areas: True

Excluded Elements for Fitting Analysis:

He, Lr, No, Md, Fm, Es, Cf, Bk, Cm, Am, Pu, Np, U, Pa, Th, Lu, Yb, Tm, Er, Ho, Dy, Tb, Gd, Eu, Sm, Pm, Nd, Pr, Ce, Ac, Rn, At, Xe, I, Kr, Br, Cl, Ne, F, Po, Se, O, N, Ti, In, Ge, Ga, C, B, Pt, Ir, Pd, Os, Re, Ru, Tc, W, Ta, Nb, Cr, V, Hf, La, Zr, Y, Sc, Ra, Fr, Cs, Mg, Na, Be, Li, H

Excluded Elements for FP Analysis:

Ar, Bi:M, Sb:L, Pb:K, Sn:L, Hg:K, Au:M, Ag:L, Rh, Mo:L

Notes:

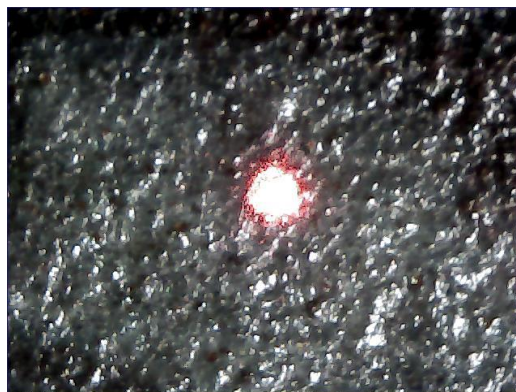
mantello blu scuro della Madonna

1.90 Assunzione 14-azzurro

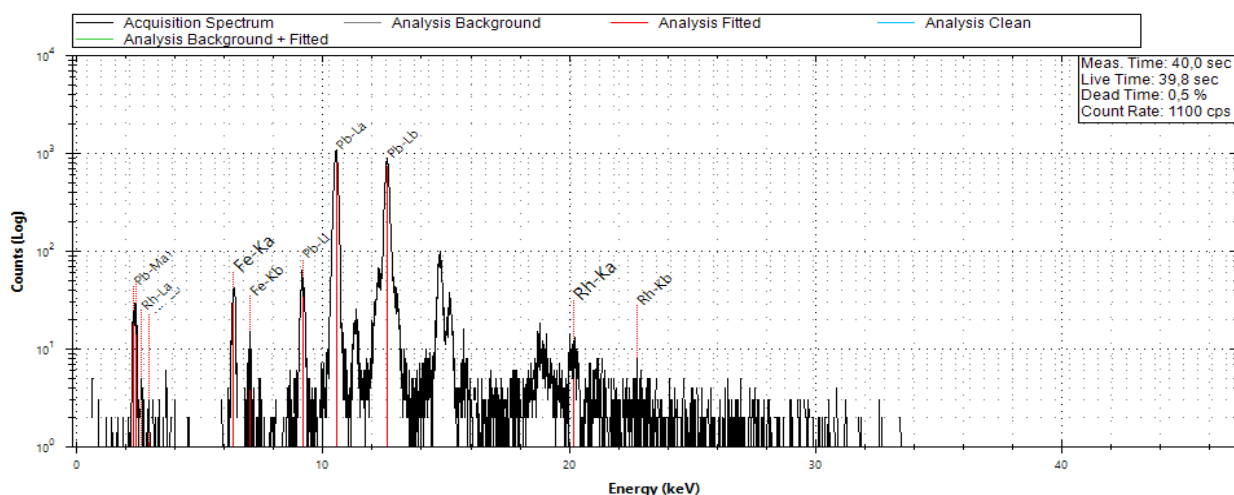
02/02/2024 10:57:57



Measurement Time: 40,0 s
Tube Voltage: 40 kV
Tube Current: 20 μ A
Tube Target Material: Rh
Elio Device: SN1900
Device Mode: Head
Acquisition Mode: Manual
Acquisition Channels: 4096
Sample to Detector Material: Air



Spectrum:



Analysis Results:

Element	Concentration	Error
Pb	94,33%	$\pm 0,81\%$
Fe	5,67%	$\pm 4,54\%$

Analysis Date and Time: 02/02/2024 10:57:19
Analysis Type: Automatic
Spectrum Left Cut: 1 keV
Spectrum Right Cut: 50 keV
Spectrum Upper Limit: 50 keV
Use M Line: True
Super Impose Peak Areas: True

Excluded Elements for Fitting Analysis:

He, Lr, No, Md, Fm, Es, Cf, Bk, Cm, Am, Pu, Np, U, Pa, Th, Lu, Yb, Tm, Er, Ho, Dy, Tb, Gd, Eu, Sm, Pm, Nd, Pr, Ce, Ac, Rn, At, Xe, I, Kr, Br, Cl, Ne, F, Po, Se, O, N, Ti, In, Ge, Ga, C, B, Pt, Ir, Pd, Os, Re, Ru, Tc, W, Ta, Nb, Cr, V, Hf, La, Zr, Y, Sc, Ra, Fr, Cs, Mg, Na, Be, Li, H

Excluded Elements for FP Analysis:

Ar, Bi:M, Sb:L, Pb:K, Sn:L, Hg:K, Au:M, Ag:L, Rh, Mo:L

Notes:

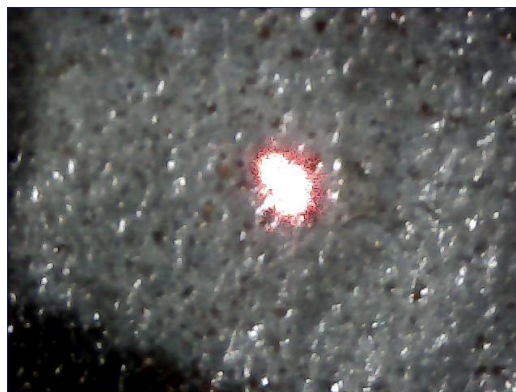
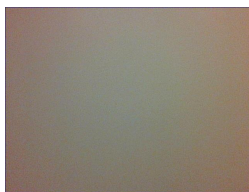
mantello blu sintermedio della Madonna

1.90 Assunzione 15-azzurro

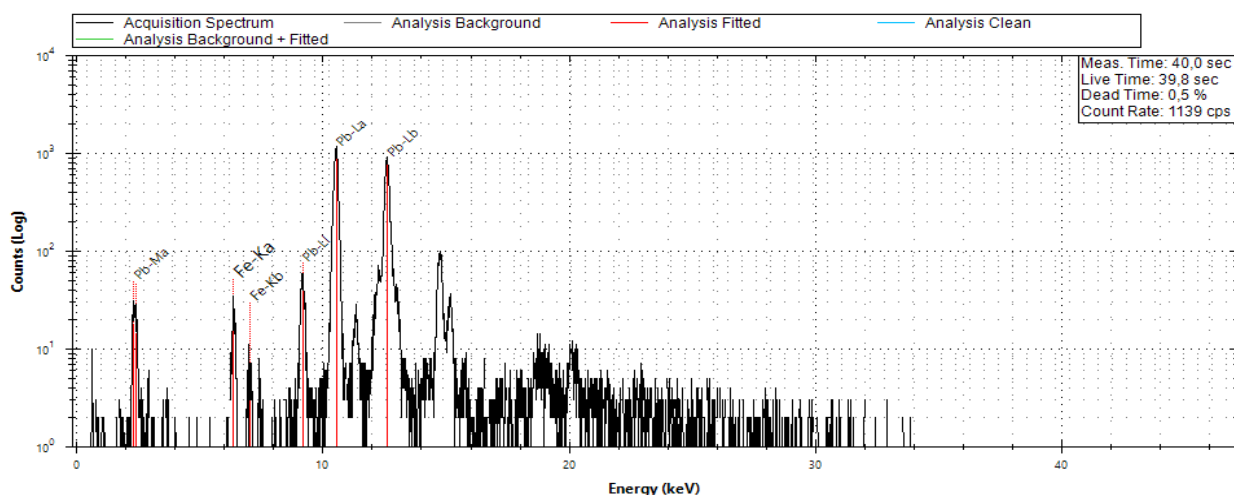


02/02/2024 10:59:44

Measurement Time: 40,0 s
Tube Voltage: 40 kV
Tube Current: 20 μ A
Tube Target Material: Rh
Elio Device: SN1900
Device Mode: Head
Acquisition Mode: Manual
Acquisition Channels: 4096
Sample to Detector Material: Air



Spectrum:



Analysis Results:

Element	Concentration	Error
Pb	96,79%	$\pm 0,79\%$
Fe	3,21%	$\pm 5,71\%$

Analysis Date and Time: 02/02/2024 10:58:56
Analysis Type: Automatic
Spectrum Left Cut: 1 keV
Spectrum Right Cut: 50 keV
Spectrum Upper Limit: 50 keV
Use M Line: True
Super Impose Peak Areas: True

Excluded Elements for Fitting Analysis:

He, Lr, No, Md, Fm, Es, Cf, Bk, Cm, Am, Pu, Np, U, Pa, Th, Lu, Yb, Tm, Er, Ho, Dy, Tb, Gd, Eu, Sm, Pm, Nd, Pr, Ce, Ac, Rn, At, Xe, I, Kr, Br, Cl, Ne, F, Po, Se, O, N, Ti, In, Ge, Ga, C, B, Pt, Ir, Pd, Os, Re, Ru, Tc, W, Ta, Nb, Cr, V, Hf, La, Zr, Y, Sc, Ra, Fr, Cs, Mg, Na, Be, Li, H

Excluded Elements for FP Analysis:

Ar, Bi:M, Sb:L, Pb:K, Sn:L, Hg:K, Au:M, Ag:L, Rh, Mo:L

Notes:

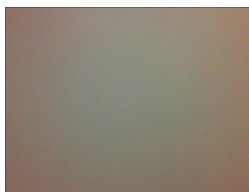
mantello blu chiaro della Madonna

1.90 Assunzione 16-rosso

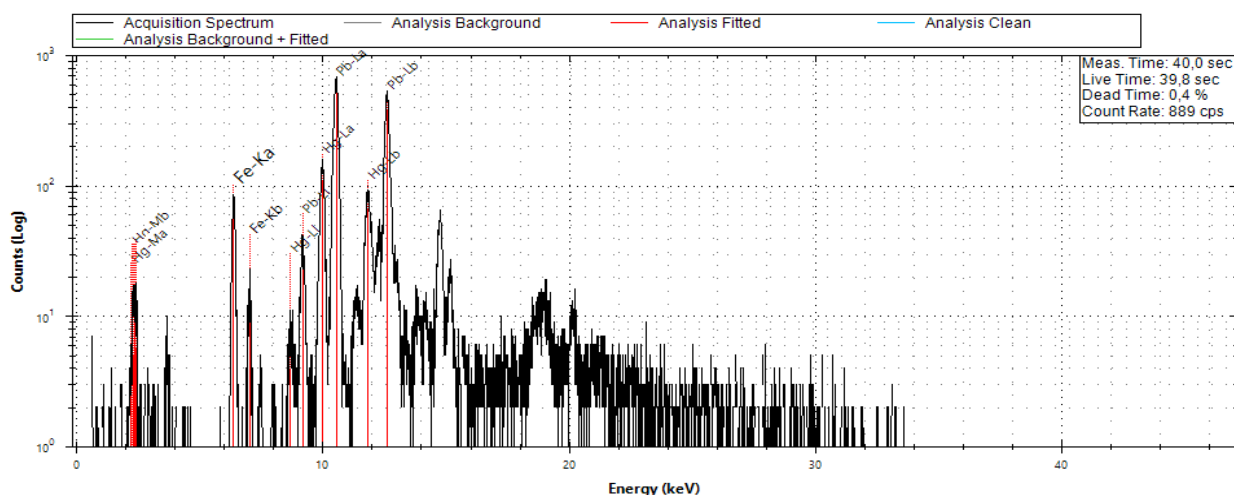


02/02/2024 11:02:08

Measurement Time: 40,0 s
Tube Voltage: 40 kV
Tube Current: 20 μ A
Tube Target Material: Rh
Elio Device: SN1900
Device Mode: Head
Acquisition Mode: Manual
Acquisition Channels: 4096
Sample to Detector Material: Air



Spectrum:



Analysis Results:

Element	Concentration	Error
Pb	40,1%	$\pm 1,08\%$
S	27,18%	$\pm 15,18\%$
Hg	24,25%	$\pm 2,43\%$
Fe	8,48%	$\pm 3,67\%$

Analysis Date and Time: 02/02/2024 11:01:37
Analysis Type: Automatic
Spectrum Left Cut: 1 keV
Spectrum Right Cut: 50 keV
Spectrum Upper Limit: 50 keV
Use M Line: True
Super Impose Peak Areas: True

Excluded Elements for Fitting Analysis:

He, Lr, No, Md, Fm, Es, Cf, Bk, Cm, Am, Pu, Np, U, Pa, Th, Lu, Yb, Tm, Er, Ho, Dy, Tb, Gd, Eu, Sm, Pm, Nd, Pr, Ce, Ac, Rn, At, Xe, I, Kr, Br, Cl, Ne, F, Po, Se, O, N, Ti, In, Ge, Ga, C, B, Pt, Ir, Pd, Os, Re, Ru, Tc, W, Ta, Nb, Cr, V, Hf, La, Zr, Y, Sc, Ra, Fr, Cs, Mg, Na, Be, Li, H

Excluded Elements for FP Analysis:

Ar, Bi:M, Sb:L, Pb:K, Sn:L, Hg:K, Au:M, Ag:L, Rh, Mo:L

Notes:

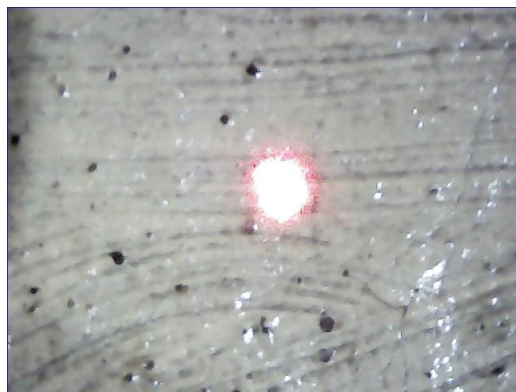
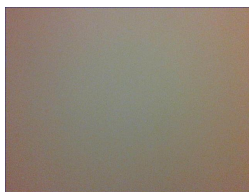
labbra della Madonna

1.90 Assunzione 17- giallo

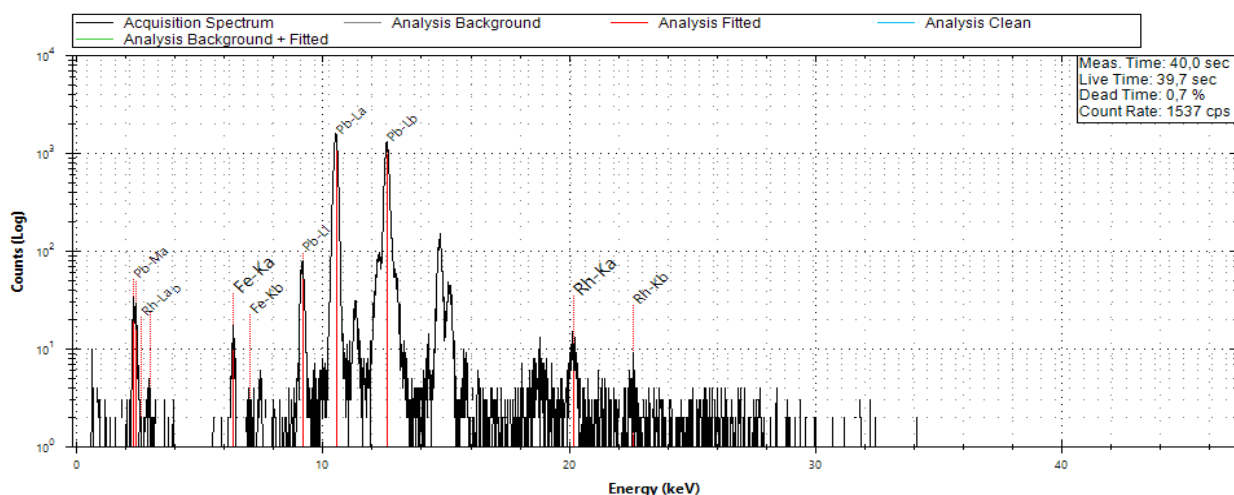
02/02/2024 11:03:56



Measurement Time: 40,0 s
Tube Voltage: 40 kV
Tube Current: 20 μ A
Tube Target Material: Rh
Elio Device: SN1900
Device Mode: Head
Acquisition Mode: Manual
Acquisition Channels: 4096
Sample to Detector Material: Air



Spectrum:



Analysis Results:

Element	Concentration	Error
Pb	98,63%	$\pm 0,71\%$
Fe	1,37%	$\pm 9,13\%$

Analysis Date and Time: 02/02/2024 11:03:18
Analysis Type: Automatic
Spectrum Left Cut: 1 keV
Spectrum Right Cut: 50 keV
Spectrum Upper Limit: 50 keV
Use M Line: True
Super Impose Peak Areas: True

Excluded Elements for Fitting Analysis:

He, Lr, No, Md, Fm, Es, Cf, Bk, Cm, Am, Pu, Np, U, Pa, Th, Lu, Yb, Tm, Er, Ho, Dy, Tb, Gd, Eu, Sm, Pm, Nd, Pr, Ce, Ac, Rn, At, Xe, I, Kr, Br, Cl, Ne, F, Po, Se, O, N, Ti, In, Ge, Ga, C, B, Pt, Ir, Pd, Os, Re, Ru, Tc, W, Ta, Nb, Cr, V, Hf, La, Zr, Y, Sc, Ra, Fr, Cs, Mg, Na, Be, Li, H

Excluded Elements for FP Analysis:

Ar, Bi:M, Sb:L, Pb:K, Sn:L, Hg:K, Au:M, Ag:L, Rh, Mo:L

Notes:

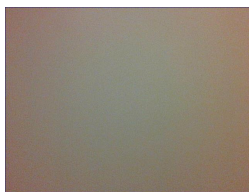
cielo in alto (vicino Madonna)

1.90 Assunzione 18- marrone

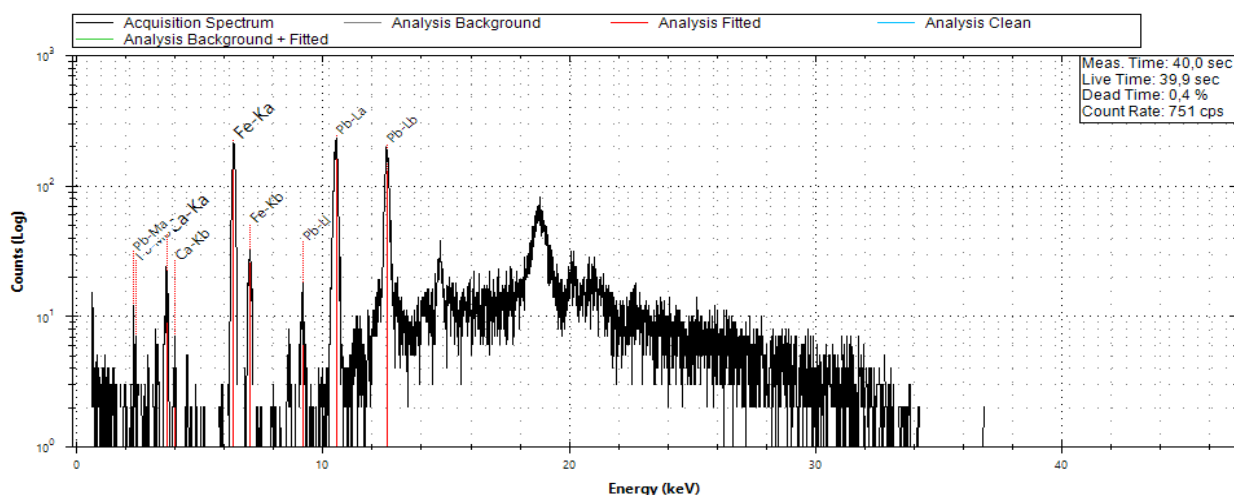
02/02/2024 11:05:15



Measurement Time: 40,0 s
Tube Voltage: 40 kV
Tube Current: 20 μ A
Tube Target Material: Rh
Elio Device: SN1900
Device Mode: Head
Acquisition Mode: Manual
Acquisition Channels: 4096
Sample to Detector Material: Air



Spectrum:



Analysis Results:

Element	Concentration	Error
Fe	46,78%	$\pm 2,17\%$
Pb	28,38%	$\pm 1,9\%$
Ca	24,84%	$\pm 7,28\%$

Analysis Date and Time: 02/02/2024 11:04:51
Analysis Type: Automatic
Spectrum Left Cut: 1 keV
Spectrum Right Cut: 50 keV
Spectrum Upper Limit: 50 keV
Use M Line: True
Super Impose Peak Areas: True

Excluded Elements for Fitting Analysis:

He, Lr, No, Md, Fm, Es, Cf, Bk, Cm, Am, Pu, Np, U, Pa, Th, Lu, Yb, Tm, Er, Ho, Dy, Tb, Gd, Eu, Sm, Pm, Nd, Pr, Ce, Ac, Rn, At, Xe, I, Kr, Br, Cl, Ne, F, Po, Se, O, N, Ti, In, Ge, Ga, C, B, Pt, Ir, Pd, Os, Re, Ru, Tc, W, Ta, Nb, Cr, V, Hf, La, Zr, Y, Sc, Ra, Fr, Cs, Mg, Na, Be, Li, H

Excluded Elements for FP Analysis:

Ar, Bi:M, Sb:L, Pb:K, Sn:L, Hg:K, Au:M, Ag:L, Rh, Mo:L

Notes:

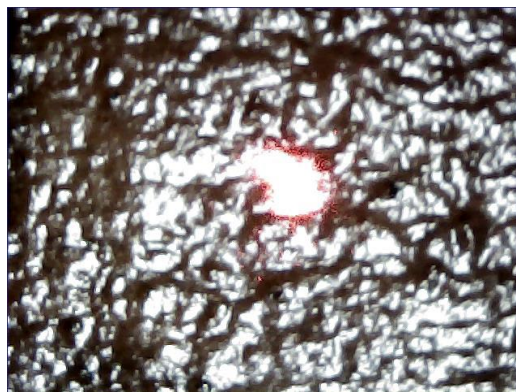
bordo bruno

1.90 Assunzione 19- rosso

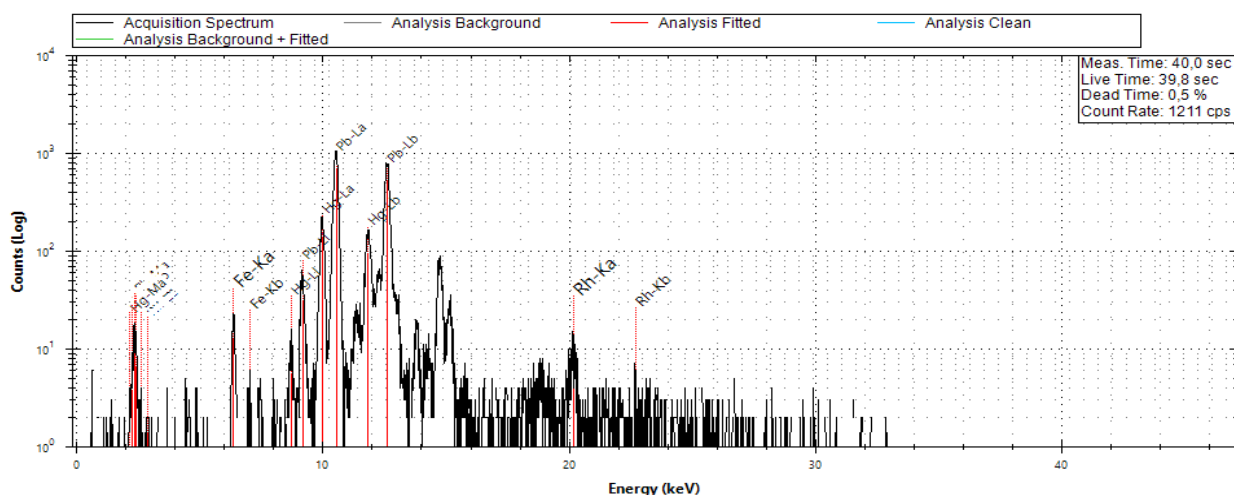
02/02/2024 11:09:47



Measurement Time: 40,0 s
Tube Voltage: 40 kV
Tube Current: 20 μ A
Tube Target Material: Rh
Elio Device: SN1900
Device Mode: Head
Acquisition Mode: Manual
Acquisition Channels: 4096
Sample to Detector Material: Air



Spectrum:



Analysis Results:

Element	Concentration	Error
Pb	59,6%	$\pm 0,93\%$
Hg	37,64%	$\pm 2,09\%$
Fe	2,76%	$\pm 8,03\%$

Analysis Date and Time: 02/02/2024 11:08:37
Analysis Type: Automatic
Spectrum Left Cut: 1 keV
Spectrum Right Cut: 50 keV
Spectrum Upper Limit: 50 keV
Use M Line: True
Super Impose Peak Areas: True

Excluded Elements for Fitting Analysis:

He, Lr, No, Md, Fm, Es, Cf, Bk, Cm, Am, Pu, Np, U, Pa, Th, Lu, Yb, Tm, Er, Ho, Dy, Tb, Gd, Eu, Sm, Pm, Nd, Pr, Ce, Ac, Rn, At, Xe, I, Kr, Br, Cl, Ne, F, Po, Se, O, N, Ti, In, Ge, Ga, C, B, Pt, Ir, Pd, Os, Re, Ru, Tc, W, Ta, Nb, Cr, V, Hf, La, Zr, Y, Sc, Ra, Fr, Cs, Mg, Na, Be, Li, H

Excluded Elements for FP Analysis:

Ar, Bi:M, Sb:L, Pb:K, Sn:L, Hg:K, Au:M, Ag:L, Rh, Mo:L

Notes:

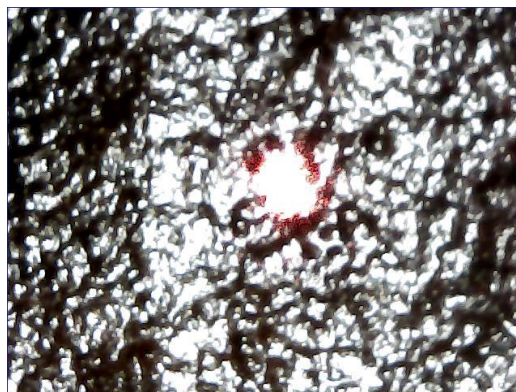
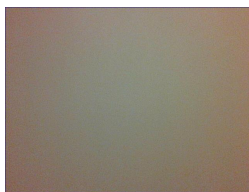
santo di spalle con libro. manto rosso chiaro (san giov. Evangelista)

1.90 Assunzione 20-rosso

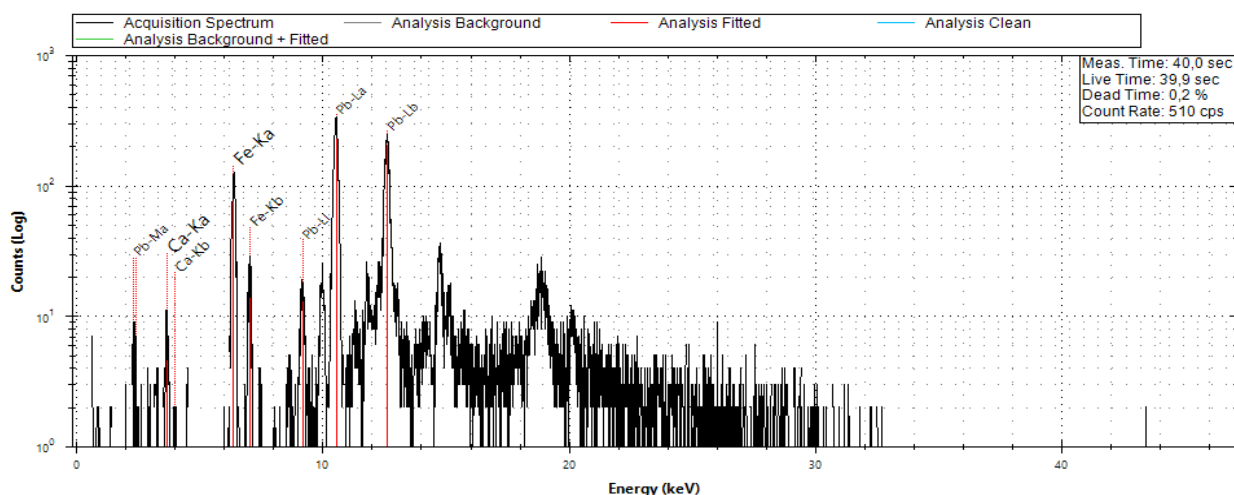
02/02/2024 11:11:18



Measurement Time: 40,0 s
Tube Voltage: 40 kV
Tube Current: 20 μ A
Tube Target Material: Rh
Elio Device: SN1900
Device Mode: Head
Acquisition Mode: Manual
Acquisition Channels: 4096
Sample to Detector Material: Air



Spectrum:



Analysis Results:

Element	Concentration	Error
Pb	41,53%	$\pm 1,48\%$
Fe	40,28%	$\pm 2,73\%$
Ca	18,19%	$\pm 10,75\%$

Analysis Date and Time: 02/02/2024 11:10:45
Analysis Type: Automatic
Spectrum Left Cut: 1 keV
Spectrum Right Cut: 50 keV
Spectrum Upper Limit: 50 keV
Use M Line: True
Super Impose Peak Areas: True

Excluded Elements for Fitting Analysis:

He, Lr, No, Md, Fm, Es, Cf, Bk, Cm, Am, Pu, Np,
U, Pa, Th, Lu, Yb, Tm, Er, Ho, Dy, Tb, Gd, Eu,
Sm, Pm, Nd, Pr, Ce, Ac, Rn, At, Xe, I, Kr, Br, Cl,
Ne, F, Po, Se, O, N, Ti, In, Ge, Ga, C, B, Pt, Ir,
Pd, Os, Re, Ru, Tc, W, Ta, Nb, Cr, V, Hf, La, Zr,
Y, Sc, Ra, Fr, Cs, Mg, Na, Be, Li, H

Excluded Elements for FP Analysis:

Ar, Bi:M, Sb:L, Pb:K, Sn:L, Hg:K, Au:M, Ag:L,
Rh, Mo:L

Notes:

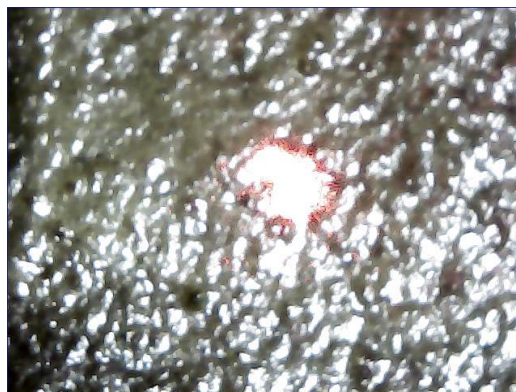
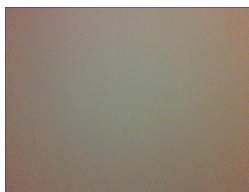
santo di spalle con libro. manto rosso scuro (san Giov. Evangelista)

1.90 Assunzione 21-verde

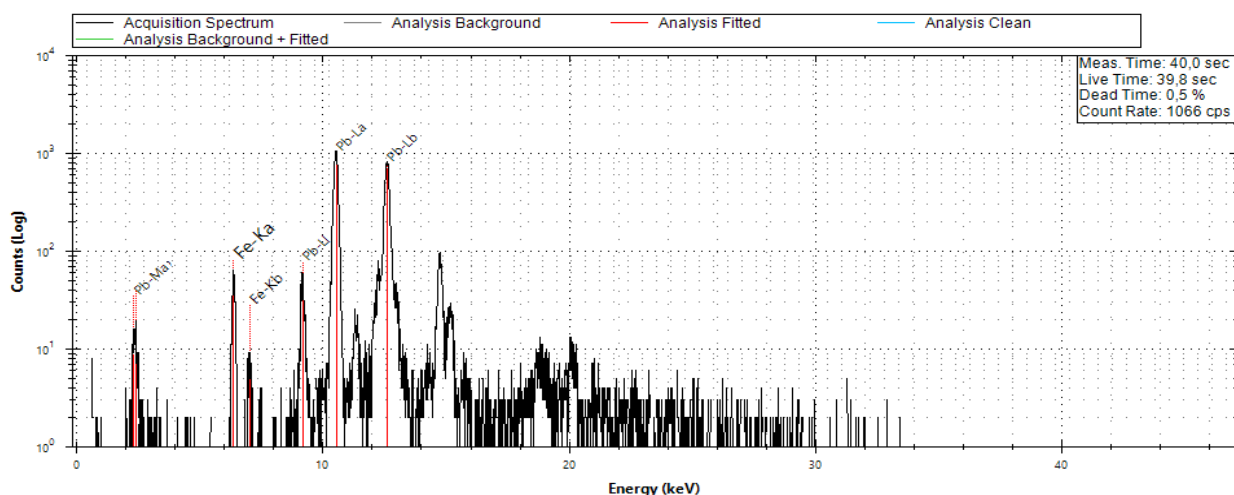
02/02/2024 11:15:31



Measurement Time: 40,0 s
Tube Voltage: 40 kV
Tube Current: 20 μ A
Tube Target Material: Rh
Elio Device: SN1900
Device Mode: Head
Acquisition Mode: Manual
Acquisition Channels: 4096
Sample to Detector Material: Air



Spectrum:



Analysis Results:

Element	Concentration	Error
Pb	90,57%	$\pm 0,83\%$
Fe	9,43%	$\pm 4,18\%$

Analysis Date and Time: 02/02/2024 11:15:03
Analysis Type: Automatic
Spectrum Left Cut: 1 keV
Spectrum Right Cut: 50 keV
Spectrum Upper Limit: 50 keV
Use M Line: True
Super Impose Peak Areas: True

Excluded Elements for Fitting Analysis:

He, Lr, No, Md, Fm, Es, Cf, Bk, Cm, Am, Pu, Np, U, Pa, Th, Lu, Yb, Tm, Er, Ho, Dy, Tb, Gd, Eu, Sm, Pm, Nd, Pr, Ce, Ac, Rn, At, Xe, I, Kr, Br, Cl, Ne, F, Po, Se, O, N, Ti, In, Ge, Ga, C, B, Pt, Ir, Pd, Os, Re, Ru, Tc, W, Ta, Nb, Cr, V, Hf, La, Zr, Y, Sc, Ra, Fr, Cs, Mg, Na, Be, Li, H

Excluded Elements for FP Analysis:

Ar, Bi:M, Sb:L, Pb:K, Sn:L, Hg:K, Au:M, Ag:L, Rh, Mo:L

Notes:

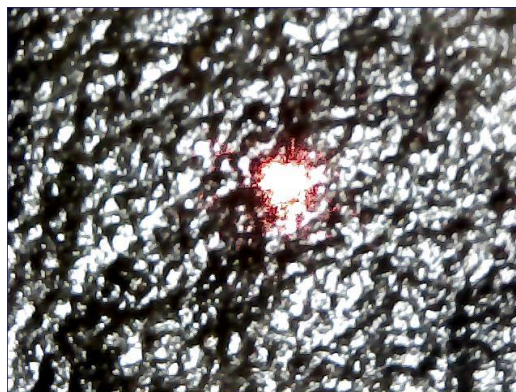
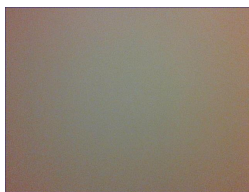
santo di spalle con libro.verde chiaro (san Giov. Evangelista)

1.90 Assunzione 22-verde

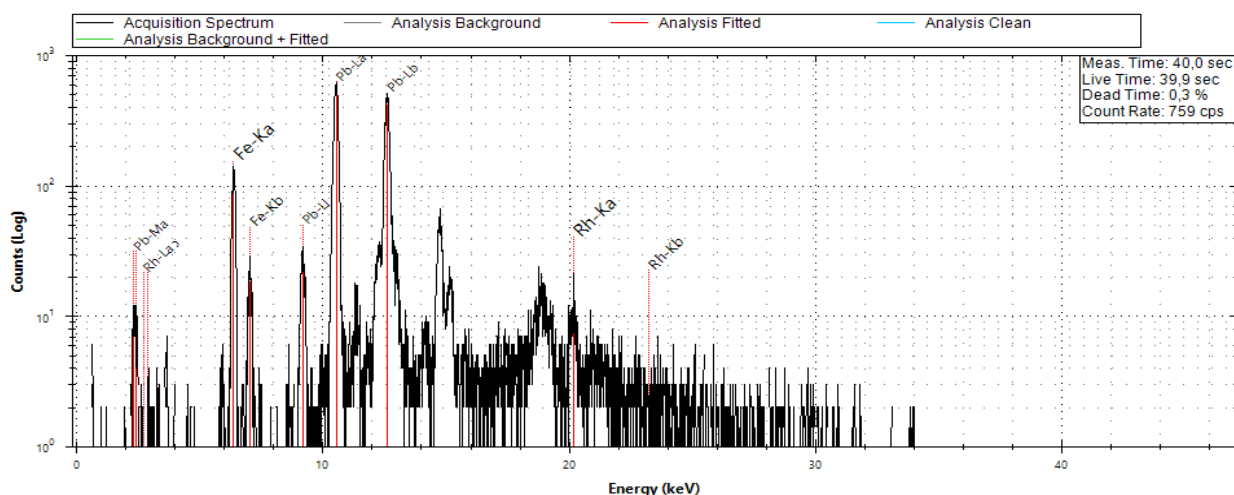
02/02/2024 11:17:09



Measurement Time: 40,0 s
Tube Voltage: 40 kV
Tube Current: 20 μ A
Tube Target Material: Rh
Elio Device: SN1900
Device Mode: Head
Acquisition Mode: Manual
Acquisition Channels: 4096
Sample to Detector Material: Air



Spectrum:



Analysis Results:

Element	Concentration	Error
Pb	75,19%	$\pm 1,08\%$
Fe	24,81%	$\pm 2,57\%$

Analysis Date and Time: 02/02/2024 11:16:25
Analysis Type: Automatic
Spectrum Left Cut: 1 keV
Spectrum Right Cut: 50 keV
Spectrum Upper Limit: 50 keV
Use M Line: True
Super Impose Peak Areas: True

Excluded Elements for Fitting Analysis:

He, Lr, No, Md, Fm, Es, Cf, Bk, Cm, Am, Pu, Np, U, Pa, Th, Lu, Yb, Tm, Er, Ho, Dy, Tb, Gd, Eu, Sm, Pm, Nd, Pr, Ce, Ac, Rn, At, Xe, I, Kr, Br, Cl, Ne, F, Po, Se, O, N, Ti, In, Ge, Ga, C, B, Pt, Ir, Pd, Os, Re, Ru, Tc, W, Ta, Nb, Cr, V, Hf, La, Zr, Y, Sc, Ra, Fr, Cs, Mg, Na, Be, Li, H

Excluded Elements for FP Analysis:

Ar, Bi:M, Sb:L, Pb:K, Sn:L, Hg:K, Au:M, Ag:L, Rh, Mo:L

Notes:

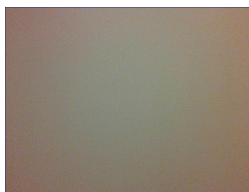
santo di spalle con libro.verde scuro (san Giov. Evangelista)

1.90 Assunzione 23-arancione

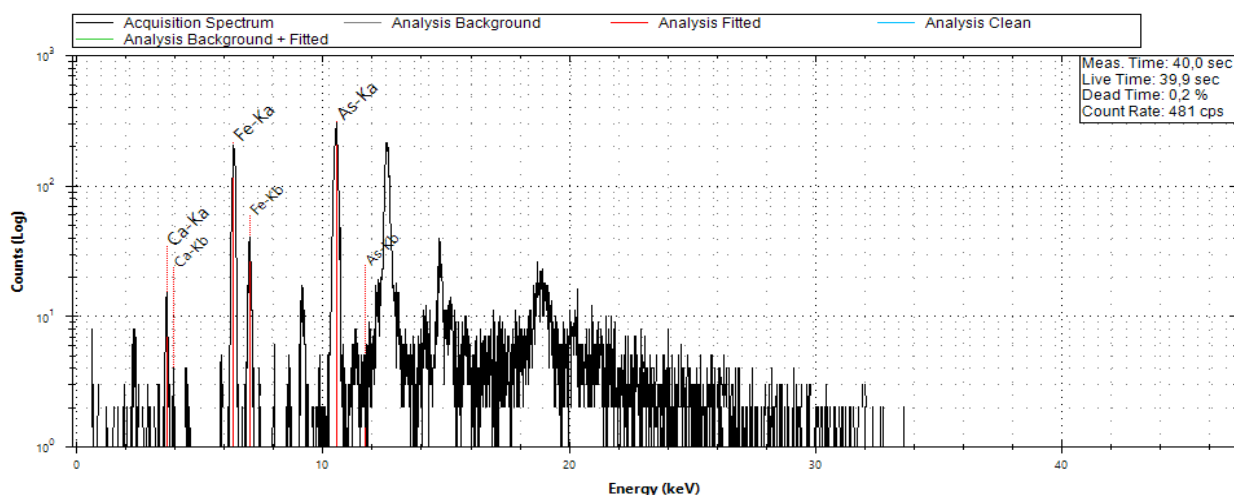
02/02/2024 11:19:32



Measurement Time: 40,0 s
Tube Voltage: 40 kV
Tube Current: 20 μ A
Tube Target Material: Rh
Elio Device: SN1900
Device Mode: Head
Acquisition Mode: Manual
Acquisition Channels: 4096
Sample to Detector Material: Air



Spectrum:



Analysis Results:

Element	Concentration	Error
As	52,77%	$\pm 1,59\%$
Fe	34,48%	$\pm 2,11\%$
Ca	12,74%	$\pm 9,22\%$

Analysis Date and Time: 02/02/2024 11:18:24
Analysis Type: Automatic
Spectrum Left Cut: 1 keV
Spectrum Right Cut: 50 keV
Spectrum Upper Limit: 50 keV
Use M Line: True
Super Impose Peak Areas: True

Excluded Elements for Fitting Analysis:

He, Lr, No, Md, Fm, Es, Cf, Bk, Cm, Am, Pu, Np,
U, Pa, Th, Lu, Yb, Tm, Er, Ho, Dy, Tb, Gd, Eu,
Sm, Pm, Nd, Pr, Ce, Ac, Rn, At, Xe, I, Kr, Br, Cl,
Ne, F, Po, Se, O, N, Ti, In, Ge, Ga, C, B, Pt, Ir,
Pd, Os, Re, Ru, Tc, W, Ta, Nb, Cr, V, Hf, La, Zr,
Y, Sc, Ra, Fr, Cs, Mg, Na, Be, Li, H

Excluded Elements for FP Analysis:

Ar, Bi:M, Sb:L, Pb:K, Sn:L, Hg:K, Au:M, Ag:L,
Rh, Mo:L

Notes:

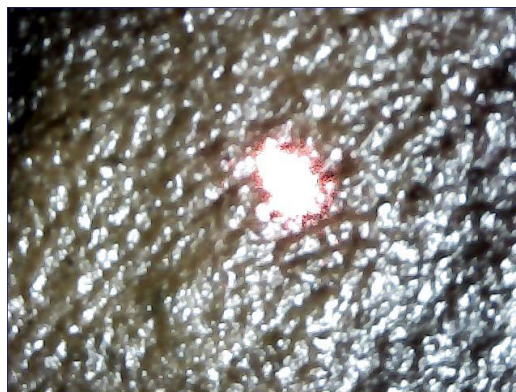
drappo in primo piano, arancione scuro

1.90 Assunzione 24-arancione

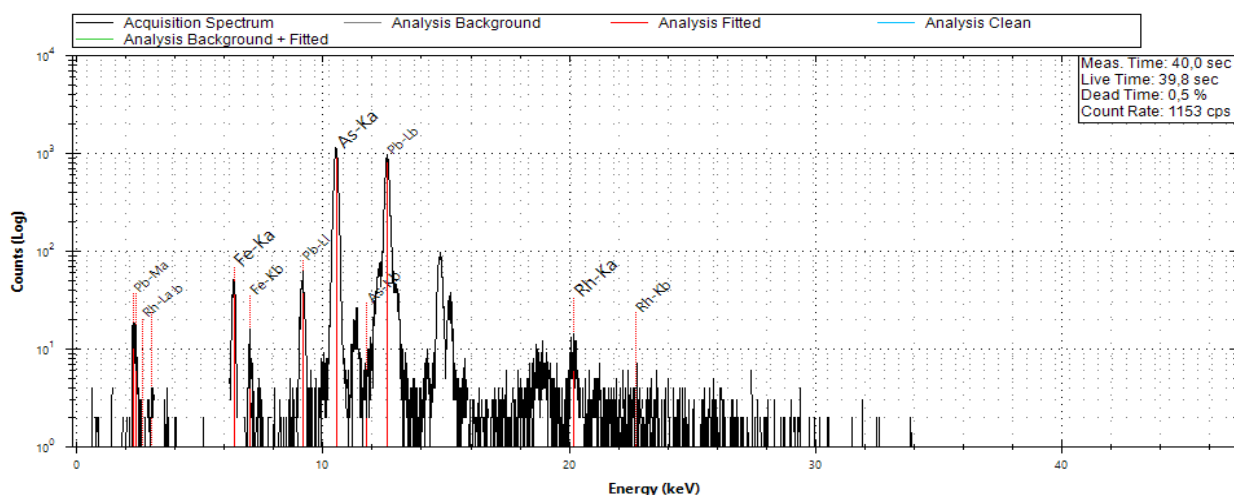


02/02/2024 11:21:34

Measurement Time: 40,0 s
Tube Voltage: 40 kV
Tube Current: 20 μ A
Tube Target Material: Rh
Elio Device: SN1900
Device Mode: Head
Acquisition Mode: Manual
Acquisition Channels: 4096
Sample to Detector Material: Air



Spectrum:



Analysis Results:

Element	Concentration	Error
As	71,98%	$\pm 5,43\%$
Pb	27,15%	$\pm 0,74\%$
Fe	0,87%	$\pm 3,97\%$

Analysis Date and Time: 02/02/2024 11:21:44
Analysis Type: Advanced
Spectrum Left Cut: 1 keV
Spectrum Right Cut: 50 keV
Spectrum Upper Limit: 50 keV
Use M Line: True
Super Impose Peak Areas: True

Selected Elements for Analysis:
As, Pb (L,M lines), Fe

Included Elements for Fitting Analysis:
As, Pb, Rh, Fe

Notes:

drappo in primo piano, arancione scuro