	la altar examinatio					
C:4a	Dogion	Instr	ument spe	ectrum		Conducions
Site no.	Region	Strong signal		Weak signal		Conclusions
1	Gilding, backwall	Au	gold	Fe	iron	Water gilding (gold leaf: Au) over iron-oxide
		Ca	calcium	Sr [Ag?]	silver?	(Fe ₂ O ₃) bolus. Gilding is v. well preserved.
2	Reddish-	Fe	iron	Pb	lead	The pigment is probably caput mortem (mineral
	purple	Ca	calcium	Zn?	zinc?	form of iron (III) oxide (Fe ₂ O ₃), the purple variet
	brown, backwall			Sn? Rh?	tin?	of haematite iron oxide. The colour is sometimes called cardinal purple.
3	Ground w/	Ca	calcium	Fe	iron	Chalk ground, mixed with iron-oxide (Fe ₂ O ₃ ,
	pink drip			Rh?	rhodium	caput mortem?)
				Ag?	silver	
4	Gilding, backwall	Au	gold	Fe	iron	Water gilding (gold leaf) over iron-oxide bolus. Gilding v. well preserved.
	ouck wan	Ca	calcium	Ni	nickel	Oliding V. well preserved.
				Sr	strontium	
5 (4b)	Ground with pink, behind Brigitte	Ca	calcium	Fe	iron	Chalk ground, mixed with iron-oxide.
(4b)				Sr	strontium	Possibly caput mortem (Fe ₂ O ₃)?
				Zn	zinc	
				Ni	nickel	
				Ag?	silver?	
6	Red drip on frame	Pb	lead	Ca,	calcium	Red lake [perhaps madder or kermes based] over
				Fe	iron	red lead (Pb ₃ O ₄) (but no vermilion at all). T combination could explain the fading as bot
				Zn,	zinc	lead and lakes are susceptible to fading.
				Sr Ag?	strontium Silver?	- I was and subsequence to manig.
7	golden	Pb	lead	Fe,	iron	Silver stencil on frame, over red lead (Pb ₃ O ₄
′	stencil, frame	Ca	calcium	Zn	zinc	Traces of gold is likely to be from the nearby
		Ag	silver	Sr	Strontium	gilding.
				Au	gold	
8	gilding,	Au	gold	Fe	iron	Water gilding (gold leaf) over iron-oxide bolus.
	frame	Ca calciu	calcium Zn		zinc	
				Sr	strontium	-
				Ag?	Silver?	
8a	reddish- purple brown,	Fe	iron	Sr	strontium	Probably a purplish iron oxide pigment like capu
		Ca	calcium	Pb	lead	mortem (Fe ₂ O ₃).
	backwall					
8b	red, tracery frame, platform	Pb	lead	Hg	mercury	Mixture of red lead (Pb ₃ O ₄), vermilion and red iron-oxide? (Fe ₂ O ₃), This might have been one
				Fe	iron	way for the workshop to use up extra supplies of
				S	sulphur	red paints used elsewhere in the altarpiece. The paint is applied directly onto wood, with no ground layer.

8c	blue, box	Cu	copper	Ca	calcium	Azurite (2 CuCO ₃ · Cu(OH) ₂), measured in a
	frame			Fe	iron	location over the iron nails securing the hinge.
				Zn	zinc	
				As	mercury	
8d	Red,	Pb,	lead	Ca	calcium	The presence of lead in this areas suggest that the
00	sidewall	[Cu?]	copper?	Sr	strontium	red colour is red lead (Pb ₃ O ₄). Source for Cu?
8e	stencil,	Pb,	lead	Ca	calcium	Silver foil with yellow glaze over layers of red
	sidewall	[As]	arsen?	Fe	iron	lead (Pb ₃ O ₄).
				Se	selen	
				Ag	silver	
				Zn	zinc	
9	faded red,	Pb	lead	Fe	iron	Same/similar signals for deep-red drip (nr. 6).
	frame			Zn	sink	Faded red lake over red lead (Pb ₃ O ₄)? Colour here
				Sr	strontium	is poorly preserved.
10	degraded	Cu	copper	Fe	iron	Copper green glaze over silver gilding. Bolus
	glaze on	Pb	lead	Ca	calcium	colour? Perhaps the bole is a mixture an iron-
	silver			Ag	silver	oxide with red lead (Pb ₃ O ₄), lead white (2 PbCO Pb(OH) ₂)? Gothic ceiling on opposite face is the same. Compare spectra.
11	golden	Pb,	Lead	Ni	nickel	Gold lead on red lead (Pb ₃ O ₄). The source of
	applique, frame			Au	gold	silver are probably traces from the surrounding silver applique.
		Sr	stron- tium	Ag	silver	sirver apprique.
12	silver helmet	Ca	calcium	Fe	iron	Silver foil without bole underneath? The foil is
		Ag	silver	Zn	zinc	very worn and oxidized. See measurement 32 and
				Sr	strontium	sample P7.
12a	red	Pb,	Pb, lead	Fe	iron	Red lead (Pb ₃ O ₄) under or mixed with caput
	lozenge, ceiling design	Sr	stron- ium	Zn	zinc	mortem? Haematite? No vermilion (HgS). Colour v. well preserved.
13	blue tunic	Cu	copper	Ca	calcium	Azurite (2 $CuCO_3 \cdot Cu(OH)_2$), either mixed with
		Pb	lead	Fe	iron	a little lead white (2 PbCO ₃ · Pb(OH) ₂). or the lead
				Sr	strontium	white is in the under layer. Colour v. well preserved.
14	purple	Pb	lead	Ca	calcium	Probable mixture of lead white (2 PbCO ₃ ·
	tunic	Cu	copper	Fe	iron	Pb(OH) ₂) with a little azurite and caput mortem or haematite (both Fe ₂ O ₃). There could possibly also
				Zn Sr	sink strontium	be some red lake in the mixture. Colour v. well preserved.
15	orange	Pb	lead	Ca,	calcium	Very weak silver and gold signals. Red lead
	brocade			Cu,	copper	(Pb ₃ O ₄) perhaps with lead white (2 PbCO ₃ ·
				Hg?	mercury?	Pb(OH) ₂) and vermilion (HgS), with metal
				Sr	strontium	brocade pattern. Colour v. well preserved. Source for copper? Sample would be necessary to clarify.
				Ag?	silver	
				Zn	zinc	
16	rosey-red stocking	Pb	lead	Fe	iron	Lead white (2 PbCO ₃ · Pb (OH) ₂) mixed with
10		1		Hg	mercury	iron-oxide red and vermilion. Colour v. well
10	stocking	Sr	strontiu	115	mereary	preserved.

Sr strontium Au gold Ca calcium Pet In In In In In In In I	17	halo	Pb	lead	Fe	iron	Gold foil over lead white? Bolus colour? Fe signal probably from adjacent red passage. This
Teddish-purple brown headdress Pb. lead Fe iron Fe iron headdress Pb. lead Sr strontium mortem (Fe ₂ O ₃) mixed with lead-tin yellw (probably Type I (Pb ₂ SnO ₃), possibly some lead white (2 PbCO ₃ : Pb(OH ₂)) too. Colour v. well preserved. Possibly an iron-oxide pigment like Caput mortem (Fe ₂ O ₃) mixed with lead white (2 PbCO ₃ : Pb(OH ₂)) too. Colour v. well preserved. Possibly an iron-oxide pigment like Caput mortem (Fe ₂ O ₃) mixed with lead white (2 PbCO ₃ : Pb(OH ₂)). Pb(OH ₂) PbCO ₃ : Pb(OH ₂). PbCO ₃ : Pb(OH ₂) PbCO ₃ : Pb(OH ₂), mixed with lead white (2 PbCO ₃ : Pb(OH ₂), mixed with lead white (2 PbCO ₃ : Pb(OH ₂). PbCO ₃ : Pb(OH ₂) PbCO ₃ : Pb(OH ₂), mixed with lead white (2 PbCO ₃ : Pb(OH ₂), mixed with lead white (2 PbCO ₃ : Pb(OH ₂). PbCO ₃ : Pb(OH ₂), mixed with lead white (2 PbCO ₃ : Pb(OH ₂). PbCO ₃ : Pb(OH ₂), mixed with lead white (2 PbCO ₃ : Pb(OH ₂). PbCO ₃ : Pb(OH ₂), mixed with lead white (2 PbCO ₃ : Pb(OH ₂), mixed with lead white (2 PbCO ₃ : Pb(OH ₂), mixed with lead white (2 PbCO ₃ : Pb(OH ₂), mixed with lead white (2 PbCO ₃ : Pb(OH ₂), mixed with lead white (2 PbCO ₃ : Pb(OH ₂), mixed with lead white (2 PbCO ₃ : Pb(OH ₂), mixed with lead white (2 PbCO ₃ : Pb(OH ₂), mixed with a carbon lead white (2 PbCO ₃ : PbCO			Sr		Zn	zinc	
Programment Property Property Property Programment Property Pro			Au	gold			
Sn tin probably Type I (Pb,SnO ₃), possibly some lead white (2 PbCO ₃ · Pb(OH) ₂) too. Colour v. well preserved. Possibly a miron-oxide pigment like Caput mortem (Fe,O ₃) mixed with lead white (2 PbCO ₃ · Pb(OH) ₂). Possibly an iron-oxide pigment like Caput mortem (Fe,O ₃) mixed with lead white (2 PbCO ₃ · Pb(OH) ₂). Possibly an iron-oxide pigment like Caput mortem (Fe,O ₃) mixed with lead white (2 PbCO ₃ · Pb(OH) ₂). Possibly an iron-oxide pigment like Caput mortem (Fe,O ₃) mixed with lead white (2 PbCO ₃ · Pb(OH) ₂). Possibly an iron-oxide pigment like Caput mortem (Fe,O ₃) mixed with lead white (2 PbCO ₃ · Pb(OH) ₂). Possibly an iron-oxide pigment like Caput mortem (Fe,O ₃) mixed with lead white (2 PbCO ₃ · Pb(OH) ₂). Possibly an iron-oxide pigment like Caput mortem (Fe,O ₃) mixed with lead white (2 PbCO ₃ · Pb(OH) ₂). Possibly an iron-oxide pigment like Caput mortem (Fe,O ₃) mixed with lead white (2 PbCO ₃ · Pb(OH) ₂). Possibly an iron-oxide pigment like Caput mortem (Fe,O ₃) mixed with lead white (2 PbCO ₃ · Pb(OH) ₂). Possibly an iron-oxide pigment like Caput mortem (Fe,O ₃) mixed with lead white (2 PbCO ₃ · Pb(OH) ₂). Possibly an iron-oxide pigment like Caput mortem (Fe,O ₃) mixed with lead white (2 PbCO ₃ · Pb(OH) ₂). Possibly an iron-oxide pigment like Caput mortem (Fe,O ₃) mixed with lead white (2 PbCO ₃ · Pb(OH) ₂). Possibly an iron-oxide pigment like Caput mortem (Fe,O ₃) mixed with lead white (2 PbCO ₃ · Pb(OH) ₂). Possibly an iron-oxide pigment like Caput mortem (Fe,O ₃) mixed with lead white (2 PbCO ₃ · Pb(OH) ₂). Possibly an iron-oxide pigment like Caput mortem (Fe,O ₃) mixed with lead white (2 PbCO ₃ · Pb(OH) ₂). Possibly an iron-oxide pigment like Caput mortem (Fe,O ₃) mixed with lead white (2 PbCO ₃ · Pb(OH) ₂). Possibly an iron oxide caput mortem (Ps,O ₃) mixed with lead white (2 PbCO ₃ · Pb(OH) ₂). Possibly an iron oxide caput mortem (Ps,O ₃) possibly and iron oxide and iron oxide (aput mortem) possibly mixed wi			Ca	calcium			
Sr stron- I iodine preserved. white (2 PbCO ₃ - Pb(OH) ₂) too. Colour v. well preserved.	18	green cape	Pb	lead			
tium Cu copper C			Sr.	stron-			
Possibly an iron-oxide pigment like Caput mortem (Fe ₂ O ₃) mixed with lead white (2 pbCO ₃ · Pb(OH) ₂).					1		
Purple brown headdress Fe iron brown headdress Fe iron above belt Sc selen Hg mercury As arsen Fe iron Cu copper Sr strontium Sn tin I iodine I I iodine Sc selen An gold Se selen An antimony Sn antimony			Cu	copper			
Purple brown headdress Fe iron Pb Lead above belt Fe Fe Iron I	19	reddish-	Pb,	lead	Sr	strontium	Probably an iron-oxide pigment like Caput
Position			Fe	iron			mortem (Fe ₂ O ₃) mixed with lead white (2
Position					-		$PbCO_3 \cdot Pb(OH)_2).$
Selen Hg mercury As arsen		neaddress					
Possible	20				Ni	nickel	
As arsen		above belt					very well preserved.
21 brownish green glaze on silver Ca calcium Fe iron Cu copper Sr strontium Ag silver Zn zinc Rh rhodium 22 blood Pb, lead Fe iron Sr strontium Zn zinc metal flower, decorative border Sr strontium Zr zinconium Zr Zr zinconium Zr Zr Zr Zr Zr Zr Zr Z			_				
green glaze on silver Ag silver An rhodium Blood red probably containing red lead (Pb ₂ O ₄) and iron oxide (caput mortem?) over the floor design containing lead-tin yellow (Pb ₂ SnO ₄). Colour is very well preserved. Colour is very well preserved. Tin flower, formed in a mould, then gilt (either with leaf or more likely with shell gold). See sample P6 for the painted area underneath. Tin flower, formed in a mould, then gilt (either with leaf or more likely with shell gold). See sample P6 for the painted area underneath. Copper green, probably mixed with a carbon black/black or dark ochre. PbSn is likely from the lead-tin yellow (Pb ₂ SnO ₄) painted leaves very close to the measurement site. There was clearly a reserve left for the trees. No gold is detected underneath but the iron indicates bolus that might have continued under the trees. Colour well preserved. 25 purple lining (deep tone) of green garment Cu copper Sr, strontium Cu copper Ag silver Ag silver Ca calcium Character Chount and iron oxide (caput mortem?) over the floor design containing lead-tin yellow (Pb ₂ SnO ₄). Colour is very well preserved. Tin flower, formed in a mould, then gilt (either with leaf or more likely with shell gold). See sample P6 for the painted area underneath. Copper green, probably mixed with a carbon black/black or dark ochre. PbSn is likely from the lead-tin yellow (Pb ₂ SnO ₄) painted leaves very close to the measurement site. There was clearly a reserve left for the trees. Colour well preserved. The purple appears to be a mixture of azurite (2 CuCO ₃ · Cu(OH) ₂) and caput mortem, perhaps mixed with a littl			As	arsen	-		
green glaze on silver Ag silver An rhodium Blood red probably containing red lead (Pb ₂ O ₄) and iron oxide (caput mortem?) over the floor design containing lead-tin yellow (Pb ₂ SnO ₄). Colour is very well preserved. Colour is very well preserved. Tin flower, formed in a mould, then gilt (either with leaf or more likely with shell gold). See sample P6 for the painted area underneath. Tin flower, formed in a mould, then gilt (either with leaf or more likely with shell gold). See sample P6 for the painted area underneath. Copper green, probably mixed with a carbon black/black or dark ochre. PbSn is likely from the lead-tin yellow (Pb ₂ SnO ₄) painted leaves very close to the measurement site. There was clearly a reserve left for the trees. No gold is detected underneath but the iron indicates bolus that might have continued under the trees. Colour well preserved. 25 purple lining (deep tone) of green garment Cu copper Sr, strontium Cu copper Ag silver Ag silver Ca calcium Character Chount and iron oxide (caput mortem?) over the floor design containing lead-tin yellow (Pb ₂ SnO ₄). Colour is very well preserved. Tin flower, formed in a mould, then gilt (either with leaf or more likely with shell gold). See sample P6 for the painted area underneath. Copper green, probably mixed with a carbon black/black or dark ochre. PbSn is likely from the lead-tin yellow (Pb ₂ SnO ₄) painted leaves very close to the measurement site. There was clearly a reserve left for the trees. Colour well preserved. The purple appears to be a mixture of azurite (2 CuCO ₃ · Cu(OH) ₂) and caput mortem, perhaps mixed with a littl							
green glaze on silver	21	brownish	Ca	calcium	Fe	iron	Copper green glaze on silver foil. Colour is better
Sociation Soci			Cu	copper	Sr	strontium	preserved than on the other wing
Blood red probably containing red lead (Pb ₃ O ₄) and iron oxide (caput mortem?) over the floor design containing lead-tin yellow (Pb ₂ SnO ₄). Sr		on silver	Ag	silver			
Sr strontium Sn tin I iodine Se selen Zn zinc decorative border Se selen Zn zinc Se strontium Sn tin I iodine Se selen Zn zinc Se strontium Sn tin I iodine Se selen Zn zinc Se strontium Sn tin I iodine Se selen Zn zinc Sn strontium Sn tin I iodine Se selen Zn zinc Sn antimony Sn antimony Sn antimony Sn antimony Sn antimony Sn Strontium Sn antimony Sn Strontium Sn antimony Sn Sn antimony Sn Sn antimony Sn Sn Sn Sn Sn Sn Sn							
tium Sn tin Colour is very well preserved.	22	blood		lead			
Sn tin I iodine I iodine I iodine I iodine I iodine I iodine I iodine			Sr		Zn		
Pb lead Fe iron Au gold with leaf or more likely with shell gold). See sample P6 for the painted area underneath.							- Colour is very well preserveur
flower, decorative border 24 deep green, tree By b lead Fe iron Cu copper Sr strontium The purple appears to be a mixture of azurite (2 CuCO ₃ · Cu(OH) ₂) and caput mortem, perhaps mixed with a little red lead (Pb ₃ O ₄) too (or lead white 2 PbCO ₃ · Pb(OH) ₂). Colour v. well preserved. 26 silver armour with Ag silver Fe iron The surface is poorly preserved and thus two measurements were taken (the second on the adjacent silver helmet) to clarify. Results for both are recorded here.					l I	iodine	
decorative borderSrstrontiumZrzirconiumsample P6 for the painted area underneath.24deep green, treePb lead Se selen Zn zinc Cu copper Sr strontiumCopper green, probably mixed with a carbon black/black or dark ochre. PbSn is likely from the lead-tin yellow (Pb ₂ SnO ₄) painted leaves very close to the measurement site. There was clearly a reserve left for the trees. No gold is detected underneath but the iron indicates bolus that might have continued under the trees. Colour well preserved.25purple lining (deep tone) of green garmentPb, lead Strontium Cu copperFe iron The purple appears to be a mixture of azurite (2 CuCO ₃ · Cu(OH) ₂) and caput mortem, perhaps mixed with a little red lead (Pb ₃ O ₄) too (or lead white 2 PbCO ₃ · Pb(OH) ₂). Colour v. well preserved.26silver armour (P1) with Zn zinc Sb Sr stron-Ag silver Ag silver Ag zirconium Zr zirconium zirconium zr zirconium gazurents were taken (the second on the adjacent silver helmet) to clarify. Results for both are recorded here.	23	flower, decorative	Pb	lead			
border tium Copper green, probably mixed with a carbon black/black or dark ochre. PbSn is likely from the lead-tin yellow (Pb2SnO4) painted leaves very close to the measurement site. There was clearly a reserve left for the trees. No gold is detected underneath but the iron indicates bolus that might have continued under the trees. Colour well preserved. Po			C	_4		-	
green, tree Se selen Zn zinc Cu copper Sr strontium Sn antimony Sn antimony Sn antimony Sn antimony Sn antimony Sn antimony Close to the measurement site. There was clearly a reserve left for the trees. No gold is detected underneath but the iron indicates bolus that might have continued under the trees. Colour well preserved. Colour well preserved Sr, strontium Cu copper Sr, strontium Sr silver armour Ca calcium Ca			Sr		Zr	zirconium	sample Po for the painted area underneath.
Cu copper Sr strontium lead-tin yellow (Pb ₂ SnO ₄) painted leaves very close to the measurement site. There was clearly a reserve left for the trees. No gold is detected underneath but the iron indicates bolus that might have continued under the trees. Colour well preserved. Po	24	_	Pb	lead	Fe	iron	
Sn antimony close to the measurement site. There was clearly a reserve left for the trees. No gold is detected underneath but the iron indicates bolus that might have continued under the trees. Colour well preserved. Po				selen		zinc	
reserve left for the trees. No gold is detected underneath but the iron indicates bolus that might have continued under the trees. Colour well preserved. Pb, lead Fe iron The purple appears to be a mixture of azurite (2 CuCO ₃ · Cu(OH) ₂) and caput mortem, perhaps mixed with a little red lead (Pb ₃ O ₄) too (or lead white 2 PbCO ₃ · Pb(OH) ₂). Colour v. well preserved. Sr, strontium Cu copper Ag silver Fe iron The surface is poorly preserved and thus two measurements were taken (the second on the adjacent silver helmet) to clarify. Results for both are recorded here.			Cu	copper			
CuCO3 · Cu(OH)2) and caput mortem, perhaps mixed with a little red lead (Pb ₃ O ₄) too (or lead white 2 PbCO ₃ · Pb(OH)2). Colour v. well preserved. Cu copper Sr, strontium Cu copper Sr Silver armour with Zn zinc Sb Sr Strontium Scalar S					Sn	antimony	reserve left for the trees. No gold is detected underneath but the iron indicates bolus that might have continued under the trees.
of green garment Sr, strontium Cu copper Ag silver armour with Ca calcium Zr zirconium with Zn zinc Sr stron- Sr stron- white 2 PbCO ₃ · Pb(OH) ₂). Colour v. well preserved. The surface is poorly preserved and thus two measurements were taken (the second on the adjacent silver helmet) to clarify. Results for both are recorded here.	25	lining (deep tone) of green	Pb,	lead	Fe	iron	CuCO ₃ · Cu(OH) ₂) and caput mortem, perhaps
garment tium Cu copper 26 silver armour with C1			Sr	stron-			
Cu copper Silver armour (P1) Ca calcium Zr zirconium measurements were taken (the second on the adjacent silver helmet) to clarify. Results for both are recorded here.							
(P1) armour with Ca calcium Zr zirconium measurements were taken (the second on the adjacent silver helmet) to clarify. Results for both are recorded here.			Cu	copper			
(P1) armour with Ca calcium Zr zirconium measurements were taken (the second on the adjacent silver helmet) to clarify. Results for both are recorded here.	26	silver	Ag	silver	Fe	iron	The surface is poorly preserved and thus two
Sr stron- are recorded here.		armour	Ca			zirconium	· ·
	(P1)				Sb		
T11197			Sr	stron- tium			are recorded here.

	coloured	Rh?	rhodium			The foil is silver (apparent in the second
	glaze,		?			measurement but absent in the first), with a
						protective organic glaze that has discoloured.
	sample P1					Analysis of sample P1 suggests traces of
						pigments in the glaze. Still, the glaze allow the silver to appear as silver, rather than gold.
						silver to appear as silver, rather than gold.
26a	decorative	Pb,	lead	Ag	silver	Twig or coral pattern formed on a dark (black)
	pattern separating scenes			Fe	iron	background, outlined with thin and consistent
		Sr	stron- tium	Zn	zinc	lines of lead white (2 PbCO ₃ · Pb(OH) ₂). The pattern has a green cast, but appears to contain r
		L	truin			copper green. The strongest signal, apart from
				Nb	niobium	lead, came from silver. Colour and form v. well
						preserved.
27	yellow-	Pb	lead	Fe	iron	Copper green mixed with lead-tin yellow
	green	Cu	copper	Sn	antimony	(Pb ₂ SnO ₄) over an under-layer of lead white. The
(P2)	garment,					source of iron might be from the use of green
	mid-tone,					earth (K[(Al,Fe ^{III}),(Fe ^{II} ,Mg](AlSi ₃ ,Si ₄)O ₁₀ (OH) ₂),
	sample P2					or red iron oxide mixed with lead white (see sample P2)
	T					
						Both the colour and form is very well preserved
						in this area and in other similar passages throughout the altar panels. Looking at the layer
						structure from sample P2, the relatively thick,
						double layers of yellow-green paint might explain
						the good state of preservation.
28	Pink-red	Pb	lead	Ni	nickel	Vermilion (HgS) mixed with red lead (Pb ₃ O ₄) and
	garment, mid-tone,	Hg	mercury			lead white (2 PbCO ₃ · Pb(OH) ₂). Beautiful shade
(P3)		As	arsen			of red, that is both pinkish and fiery at the same
	sample P3	Sr	stron-			time. The built up of layers in sample P3 shows a under layer of white and a thick glaze on top of
		Si	tium			the very well preserved red colour.
						This passage and the green recorded in no. 27 were applied over textile along the seam between
						two panels.
29	yellow hat	Pb	lead	Fe	iron	Lead-tin yellow (Pb ₂ SnO ₄), over a red passage
2)	yenow nat			Sn	antimony	that probably contains red lead (Pb ₃ O ₄) and an
		Sr	stron-	Sr	strontium	ochre (FeO(OH)), possibly caput mortem as the
			tium	I	iodine	colour has lost its orange tinge.
30	greyish-	Cu	copper	Ca	calcium	Azurite (2 CuCO ₃ · Cu(OH) ₂) mixed with lead
(P5)	violet tone, sample P5	Pb	lead	Fe Sr	iron strontium	white (2 PbCO ₃ · Pb(OH) ₂) (and probably underlayer of lead white). The presence of iron could
(13)	sample F 3)I	Suomum	indicate the use of caput mortem, but SEM-EDX
						proved the purplish colour to be an organic lake.
31	Virgin's	Cu	copper	Re	rhenium	Layer of Azurite (2 CuCO ₃ · Cu(OH) ₂). The deep
	blue	Pb	lead		strontium	colour of the blue indicate that it is not blended
(P4)	garment, sample P4	Se?	Selen?			with lead white (2 PbCO ₃ · Pb(OH) ₂).
						The layer structure in sample P4 reveal under-
						layers of lead white mixed with a purple colour. The absence of iron suggest an organic lake,
						which was reinforced by the SEM-EDX.
						·

32	silver	Ca	calcium	Cu	copper	Silver foil on calsiumbased ground layer (without
	armour, helmet, sample P7	Ag	silver	Pb	lead	bole), probably with a glaze that has worn away
(P7)				Sr	strontium	in places and caused oxidation of the silver.
						XRF-measurements are supported by the interpretations of sample P7.
33	degraded	Pb,	lead	Ca	calcium	Copper green. The presence of lead could indicate
	green grass	Se	selen	Cu	copper	lead-tin yellow (Pb ₂ SnO ₄).
				Sr	strontium	
33a	golden	Pb	lead	Au	gold	Gold foil (probably not zwischgold) on red lead
	stencil			Fe	iron	(Pb ₃ O ₄). The pattern is different from that on the
	(large flower)			Zn	zinc	corpus and inner wings.
33b	silver	Pb	lead	Ag	silver	Silver foil on red lead (Pb ₃ O ₄). The measurements
	stencil	Se	selen	Fe	iron	are supported by the built up of layers in the
	(small			Zn	zinc	similar passage in sample P8.
	flower)			Sr	strontium	
34	yellow -	Pb	lead	Fe	iron	Red lead (Pb ₃ O ₄) with a very degraded glaze? The
	faded red?,	Cu coppe	copper	Ca	calcium	source of the copper content is not apparent.
	border (Gabriel)			Sr	strontium	
35	better preserved red over textile, border	Pb,	lead	Ca	calcium	Red lead (Pb ₃ O ₄) with a less degraded glaze.
		Sr	stron-	Ag	silver	Possibly also traces of vermilion (HgS). The
			tium	Hg	mercury	stencil in this location probably explains the presence of silver.
36	dark grey-	Pb	lead	Fe	iron	Fragmentary copper blue-grey. Possibly azurite (2
	green,	Cu	copper	Zn	zinc	CuCO ₃ · Cu(OH) ₂) blended with lead white (2
(P10)	Gabriel's wing,	Se	selen	Sr	strontium	PbCO ₃ · Pb(OH) ₂) and iron oxide (Fe ₂ O ₃)? See
				Cd	cadmium	layer P10 for layer structure.
	sample P10					
37	green passage, Gabriel's drapery	Cu	copper	Fe	iron	Copper green has retained its colour well (and is
		Pb,	lead	Rh	rhodium	adjacent to the area adhered by the textile).
		Sr	Stront- ium			
38	golden star, right side of Gabriel	Pb	lead	Fe	iron	The visual examination and the XRF suggests that
		Ca	calcium	Ag	silver	this probably is silver foil with yellow glace, and a lead containing layer underneath.
				Zn	zink	