LabBook: Godanti Bhasma_Method Presicion.imexp

LabBook Summary
Analysis started at: 07-Dec-24 17:28:57

Method Parameters

View Direction	Radial	Axial
UV Exposure Time	15	15
UV RF Power	1150	1150
UV Neb Gas Flow	0.5	0.45
VIS Exposure Time	5	5
VIS RF Power	1150	1150
VIS Neb Gas Flow	0.5	0.45
Cool Gas Flow Rate	12	12
Aux Gas Flow Rate	0.5	0.5

Label Blank

	Intensity average
Ca 396.847 {85} (Radial)	575 cps
Al 167.079 {502} (Axial)	5 cps
Co 228.616 {447} (Axial)	20 cps
Cr 267.716 {126} (Axial)	23 cps
Cu 324.754 {104} (Axial)	124 cps
Fe 259.837 {130} (Axial)	-12 cps
K 766.490 {44} (Axial)	344 cps
Mg 280.270 {120} (Axial)	301 cps
Mn 257.610 {131} (Axial)	259 cps
P 177.495 {490} (Axial)	3 cps
Zn 213.856 {458} (Axial)	149 cps

Label Method precision_0.1*200_SET_1

	Intensity average
Ca 396.847 {85} (Radial)	84,082 cps
Al 167.079 {502} (Axial)	27 cps
Co 228.616 {447} (Axial)	-1 cps
Cr 267.716 {126} (Axial)	-19 cps
Cu 324.754 {104} (Axial)	88 cps
Fe 259.837 {130} (Axial)	1,636 cps
K 766.490 {44} (Axial)	22,327 cps
Mg 280.270 {120} (Axial)	3,487 cps
Mn 257.610 {131} (Axial)	57 cps
P 177.495 {490} (Axial)	4 cps
Zn 213.856 {458} (Axial)	3,775 cps

Label Method precision_0.1*200_SET_2

	Intensity average
Ca 396.847 {85} (Radial)	88,233 cps
Al 167.079 {502} (Axial)	9 cps

	Intensity average
Co 228.616 {447} (Axial)	2 cps
Cr 267.716 {126} (Axial)	-1 cps
Cu 324.754 {104} (Axial)	57 cps
Fe 259.837 {130} (Axial)	1,614 cps
K 766.490 {44} (Axial)	22,343 cps
Mg 280.270 {120} (Axial)	33,711 cps
Mn 257.610 {131} (Axial)	24 cps
P 177.495 {490} (Axial)	6 cps
Zn 213.856 {458} (Axial)	1,915 cps

Label Method precision_0.1*200_SET_3

	Intensity average
Ca 396.847 {85} (Radial)	84,809 cps
Al 167.079 {502} (Axial)	12 cps
Co 228.616 {447} (Axial)	4 cps
Cr 267.716 {126} (Axial)	-33 cps
Cu 324.754 {104} (Axial)	38 cps
Fe 259.837 {130} (Axial)	1,608 cps
K 766.490 {44} (Axial)	21,529 cps
Mg 280.270 {120} (Axial)	2,802 cps
Mn 257.610 {131} (Axial)	32 cps
P 177.495 {490} (Axial)	5 cps
Zn 213.856 {458} (Axial)	1,952 cps

Label Method precision_0.1*200_SET_4

	Intensity average
Ca 396.847 {85} (Radial)	85,548 cps
Al 167.079 {502} (Axial)	11 cps
Co 228.616 {447} (Axial)	2 cps
Cr 267.716 {126} (Axial)	-10 cps
Cu 324.754 {104} (Axial)	56 cps
Fe 259.837 {130} (Axial)	1,617 cps
K 766.490 {44} (Axial)	21,470 cps
Mg 280.270 {120} (Axial)	2,303 cps
Mn 257.610 {131} (Axial)	-9 cps
P 177.495 {490} (Axial)	5 cps
Zn 213.856 {458} (Axial)	1,403 cps

Label Method precision_0.1*200_SET_5

	Intensity average
Ca 396.847 {85} (Radial)	83,656 cps
Al 167.079 {502} (Axial)	10 cps
Co 228.616 {447} (Axial)	1 cps

	Intensity average
Cr 267.716 {126} (Axial)	-11 cps
Cu 324.754 {104} (Axial)	87 cps
Fe 259.837 {130} (Axial)	1,604 cps
K 766.490 {44} (Axial)	21,502 cps
Mg 280.270 {120} (Axial)	1,899 cps
Mn 257.610 {131} (Axial)	-5 cps
P 177.495 {490} (Axial)	3 cps
Zn 213.856 {458} (Axial)	1,110 cps

Label Method precision_0.1*200_SET_6

	Intensity average
Ca 396.847 {85} (Radial)	84,766 cps
Al 167.079 {502} (Axial)	15 cps
Co 228.616 {447} (Axial)	0 cps
Cr 267.716 {126} (Axial)	-7 cps
Cu 324.754 {104} (Axial)	89 cps
Fe 259.837 {130} (Axial)	1,620 cps
K 766.490 {44} (Axial)	21,990 cps
Mg 280.270 {120} (Axial)	4,822 cps
Mn 257.610 {131} (Axial)	37 cps
P 177.495 {490} (Axial)	3 cps
Zn 213.856 {458} (Axial)	1,000 cps

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	Intensity average
Ca 396.847 {85} (Radial)	544 cps
Al 167.079 {502} (Axial)	1 cps
Co 228.616 {447} (Axial)	3 cps
Cr 267.716 {126} (Axial)	-8 cps
Cu 324.754 {104} (Axial)	60 cps
Fe 259.837 {130} (Axial)	-25 cps
K 766.490 {44} (Axial)	193 cps
Mg 280.270 {120} (Axial)	122 cps
Mn 257.610 {131} (Axial)	-29 cps
P 177.495 {490} (Axial)	3 cps
Zn 213.856 {458} (Axial)	65 cps

Label Method precision_50_SET_1

	Intensity average
Ca 396.847 {85} (Radial)	N/A
Al 167.079 {502} (Axial)	4,468 cps
Co 228.616 {447} (Axial)	2,212 cps
Cr 267.716 {126} (Axial)	1,665 cps

	Intensity average
Cu 324.754 {104} (Axial)	5,413 cps
Fe 259.837 {130} (Axial)	67,372 cps
K 766.490 {44} (Axial)	838,940 cps
Mg 280.270 {120} (Axial)	1,157,374 cps
Mn 257.610 {131} (Axial)	52,815 cps
P 177.495 {490} (Axial)	1,483 cps
Zn 213.856 {458} (Axial)	14,430 cps

Label Method precision_50_SET_2

	Intensity average
Ca 396.847 {85} (Radial)	N/A
Al 167.079 {502} (Axial)	4,427 cps
Co 228.616 {447} (Axial)	2,192 cps
Cr 267.716 {126} (Axial)	1,641 cps
Cu 324.754 {104} (Axial)	5,436 cps
Fe 259.837 {130} (Axial)	74,850 cps
K 766.490 {44} (Axial)	848,517 cps
Mg 280.270 {120} (Axial)	1,161,606 cps
Mn 257.610 {131} (Axial)	51,575 cps
P 177.495 {490} (Axial)	1,499 cps
Zn 213.856 {458} (Axial)	14,571 cps

Label Method precision_50_SET_3

	Intensity average
Ca 396.847 {85} (Radial)	N/A
Al 167.079 {502} (Axial)	4,376 cps
Co 228.616 {447} (Axial)	2,191 cps
Cr 267.716 {126} (Axial)	1,614 cps
Cu 324.754 {104} (Axial)	5,315 cps
Fe 259.837 {130} (Axial)	75,574 cps
K 766.490 {44} (Axial)	835,882 cps
Mg 280.270 {120} (Axial)	1,130,769 cps
Mn 257.610 {131} (Axial)	50,562 cps
P 177.495 {490} (Axial)	1,516 cps
Zn 213.856 {458} (Axial)	14,467 cps

Label Method precision_50_SET_4

	Intensity average
Ca 396.847 {85} (Radial)	N/A
Al 167.079 {502} (Axial)	4,445 cps
Co 228.616 {447} (Axial)	2,195 cps
Cr 267.716 {126} (Axial)	1,638 cps
Cu 324.754 {104} (Axial)	5,398 cps

	Intensity average
Fe 259.837 {130} (Axial)	74,249 cps
K 766.490 {44} (Axial)	838,588 cps
Mg 280.270 {120} (Axial)	1,153,948 cps
Mn 257.610 {131} (Axial)	51,281 cps
P 177.495 {490} (Axial)	1,514 cps
Zn 213.856 {458} (Axial)	14,365 cps

Label Method precision_50_SET_5

	Intensity average
Ca 396.847 {85} (Radial)	N/A
Al 167.079 {502} (Axial)	4,490 cps
Co 228.616 {447} (Axial)	2,198 cps
Cr 267.716 {126} (Axial)	1,657 cps
Cu 324.754 {104} (Axial)	5,411 cps
Fe 259.837 {130} (Axial)	74,175 cps
K 766.490 {44} (Axial)	845,214 cps
Mg 280.270 {120} (Axial)	1,164,621 cps
Mn 257.610 {131} (Axial)	51,372 cps
P 177.495 {490} (Axial)	1,512 cps
Zn 213.856 {458} (Axial)	14,213 cps

Label Method precision_50_SET_6

	Intensity average
Ca 396.847 {85} (Radial)	N/A
Al 167.079 {502} (Axial)	4,493 cps
Co 228.616 {447} (Axial)	2,189 cps
Cr 267.716 {126} (Axial)	1,666 cps
Cu 324.754 {104} (Axial)	5,476 cps
Fe 259.837 {130} (Axial)	75,039 cps
K 766.490 {44} (Axial)	838,093 cps
Mg 280.270 {120} (Axial)	1,170,938 cps
Mn 257.610 {131} (Axial)	51,976 cps
P 177.495 {490} (Axial)	1,510 cps
Zn 213.856 {458} (Axial)	14,152 cps

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	Intensity average
Ca 396.847 {85} (Radial)	1,137 cps
Al 167.079 {502} (Axial)	2 cps
Co 228.616 {447} (Axial)	1 cps
Cr 267.716 {126} (Axial)	-19 cps
Cu 324.754 {104} (Axial)	74 cps
Fe 259.837 {130} (Axial)	-16 cps

	Intensity average
K 766.490 {44} (Axial)	1,231 cps
Mg 280.270 {120} (Axial)	1,181 cps
Mn 257.610 {131} (Axial)	-13 cps
P 177.495 {490} (Axial)	2 cps
Zn 213.856 {458} (Axial)	1,320 cps

Label BKT STD 4

	Intensity average
Ca 396.847 {85} (Radial)	61,871 cps
Al 167.079 {502} (Axial)	3,402 cps
Co 228.616 {447} (Axial)	16,164 cps
Cr 267.716 {126} (Axial)	28,323 cps
Cu 324.754 {104} (Axial)	46,926 cps
Fe 259.837 {130} (Axial)	10,827 cps
K 766.490 {44} (Axial)	124,235 cps
Mg 280.270 {120} (Axial)	671,876 cps
Mn 257.610 {131} (Axial)	200,337 cps
P 177.495 {490} (Axial)	776 cps
Zn 213.856 {458} (Axial)	35,658 cps