LabBook: Godanti Bhasma_Intermediate Precision.lmexp

LabBook Summary
Analysis started at: 08-Dec-24 19:35:57

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)	342 cps
Mg 280.270 {120} (Axial)	311 cps
Mn 257.610 {131} (Axial)	259 cps
P 177.495 {490} (Axial)	3 cps
Zn 213.856 {458} (Axial)	149 cps

Label Intermediate Precision_0.1*200_SET_1

	Intensity average
Ca 396.847 {85} (Radial)	85,812 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)	1,606 cps
K 766.490 {44} (Axial)	21,763 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 Intermediate Precision_0.1*200_SET_2

	Intensity average
Ca 396.847 {85} (Radial)	86,323 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)	1,596 cps
K 766.490 {44} (Axial)	22,263 cps
Mg 280.270 {120} (Axial)	33,422 cps
Mn 257.610 {131} (Axial)	24 cps
P 177.495 {490} (Axial)	6 cps
Zn 213.856 {458} (Axial)	2,846 cps

Label Intermediate Precision_0.1*200_SET_3

	Intensity average
Ca 396.847 {85} (Radial)	85,819 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)	1,624 cps
K 766.490 {44} (Axial)	21,984 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)	2,862 cps

Label Intermediate Precision_0.1*200_SET_4

	Intensity average
Ca 396.847 {85} (Radial)	85,418 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)	1,602 cps
K 766.490 {44} (Axial)	21,706 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)	2,804 cps

Label Intermediate Precision_0.1*200_SET_5

	Intensity average
Ca 396.847 {85} (Radial)	86,526 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)	1,592 cps
K 766.490 {44} (Axial)	22,002 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)	2,821 cps

Label Intermediate Precision_0.1*200_SET_6

	Intensity average
Ca 396.847 {85} (Radial)	85,676 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)	1,605 cps
K 766.490 {44} (Axial)	21,830 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)	2,801 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)	1,093 cps
Mg 280.270 {120} (Axial)	722 cps
Mn 257.610 {131} (Axial)	-29 cps
P 177.495 {490} (Axial)	3 cps
Zn 213.856 {458} (Axial)	1,665 cps

Label Intermediate Precision_50_SET_1

	Intensity average
Ca 396.847 {85} (Radial)	N/A
Al 167.079 {502} (Axial)	4,518 cps
Co 228.616 {447} (Axial)	2,182 cps
Cr 267.716 {126} (Axial)	1,682 cps

	Intensity average
Cu 324.754 {104} (Axial)	5,432 cps
Fe 259.837 {130} (Axial)	67,372 cps
K 766.490 {44} (Axial)	838,940 cps
Mg 280.270 {120} (Axial)	1,173,643 cps
Mn 257.610 {131} (Axial)	51,852 cps
P 177.495 {490} (Axial)	1,543 cps
Zn 213.856 {458} (Axial)	14,603 cps

Label Intermediate Precision_50_SET_2

	Intensity average
Ca 396.847 {85} (Radial)	N/A
Al 167.079 {502} (Axial)	4,507 cps
Co 228.616 {447} (Axial)	2,192 cps
Cr 267.716 {126} (Axial)	1,659 cps
Cu 324.754 {104} (Axial)	5,414 cps
Fe 259.837 {130} (Axial)	74,850 cps
K 766.490 {44} (Axial)	848,517 cps
Mg 280.270 {120} (Axial)	1,158,401 cps
Mn 257.610 {131} (Axial)	51,755 cps
P 177.495 {490} (Axial)	1,529 cps
Zn 213.856 {458} (Axial)	14,512 cps

Label Intermediate Precision_50_SET_3

	Intensity average
Ca 396.847 {85} (Radial)	N/A
Al 167.079 {502} (Axial)	4,516 cps
Co 228.616 {447} (Axial)	2,241 cps
Cr 267.716 {126} (Axial)	1,672 cps
Cu 324.754 {104} (Axial)	5,326 cps
Fe 259.837 {130} (Axial)	75,574 cps
K 766.490 {44} (Axial)	835,882 cps
Mg 280.270 {120} (Axial)	1,187,629 cps
Mn 257.610 {131} (Axial)	51,562 cps
P 177.495 {490} (Axial)	1,536 cps
Zn 213.856 {458} (Axial)	14,675 cps

Label Intermediate Precision_50_SET_4

	Intensity average
Ca 396.847 {85} (Radial)	N/A
Al 167.079 {502} (Axial)	4,483 cps
Co 228.616 {447} (Axial)	2,205 cps
Cr 267.716 {126} (Axial)	1,625 cps
Cu 324.754 {104} (Axial)	5,436 cps

	Intensity average
Fe 259.837 {130} (Axial)	74,249 cps
K 766.490 {44} (Axial)	838,588 cps
Mg 280.270 {120} (Axial)	1,183,548 cps
Mn 257.610 {131} (Axial)	51,841 cps
P 177.495 {490} (Axial)	1,526 cps
Zn 213.856 {458} (Axial)	14,642 cps

Label Intermediate Precision_50_SET_5

	Intensity average
Ca 396.847 {85} (Radial)	N/A
Al 167.079 {502} (Axial)	4,458 cps
Co 228.616 {447} (Axial)	2,218 cps
Cr 267.716 {126} (Axial)	1,648 cps
Cu 324.754 {104} (Axial)	5,426 cps
Fe 259.837 {130} (Axial)	74,175 cps
K 766.490 {44} (Axial)	845,214 cps
Mg 280.270 {120} (Axial)	1,172,421 cps
Mn 257.610 {131} (Axial)	51,774 cps
P 177.495 {490} (Axial)	1,522 cps
Zn 213.856 {458} (Axial)	14,563 cps

Label Intermediate Precision_50_SET_6

	Intensity average
Ca 396.847 {85} (Radial)	N/A
Al 167.079 {502} (Axial)	4,509 cps
Co 228.616 {447} (Axial)	2,229 cps
Cr 267.716 {126} (Axial)	1,641 cps
Cu 324.754 {104} (Axial)	5,428 cps
Fe 259.837 {130} (Axial)	75,039 cps
K 766.490 {44} (Axial)	838,093 cps
Mg 280.270 {120} (Axial)	1,193,870 cps
Mn 257.610 {131} (Axial)	51,769 cps
P 177.495 {490} (Axial)	1,536 cps
Zn 213.856 {458} (Axial)	14,657 cps

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	Intensity average
Ca 396.847 {85} (Radial)	1,132 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)	231 cps
Mg 280.270 {120} (Axial)	181 cps
Mn 257.610 {131} (Axial)	-13 cps
P 177.495 {490} (Axial)	2 cps
Zn 213.856 {458} (Axial)	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