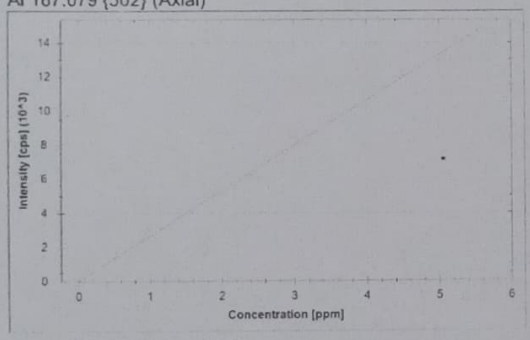
LabBook: Godanti Bhasma.imepx

LabBook Summary
Analysis started at: 07-Dec-24 17:12:40

Method Parameters

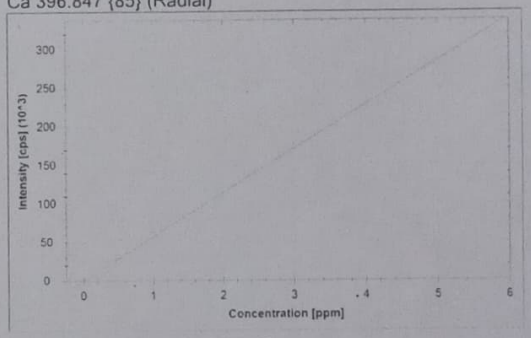
View Direction	Radial	Axial
UV Exposure Time	15	15
UV RF Power	1150	1150
UV Neb Gas Flow	0.5	0.5
VIS Exposure Time	5	5
VIS RF Power	1150	1150
VIS Neb Gas Flow	0.5	0.5
Cool Gas Flow Rate	12	12
Aux Gas Flow Rate	0.5	0.5

Al 167.079 {502} (Axial)



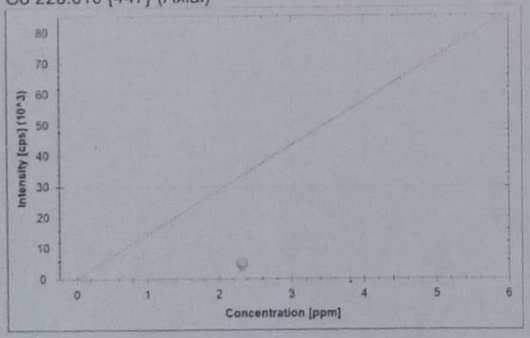
f(x) = 2657.4567*x + 1.1137
R^2 = 0.9962
BEC = 0.000 ppm
LoD = N/A

Ca 396.847 {85} (Radial)



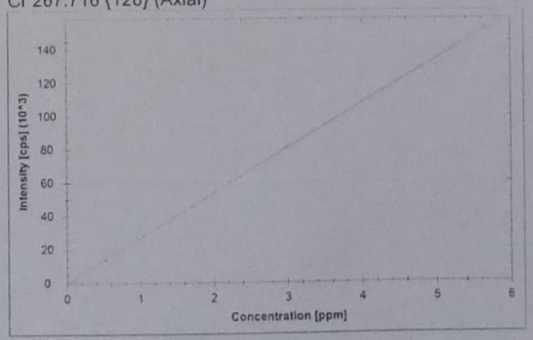
f(x) = 56820.1280*x + 392.9375
R^2 = 0.9997
BEC = 0.007 ppm
LoD = N/A

Co 228.616 {447} (Axial)



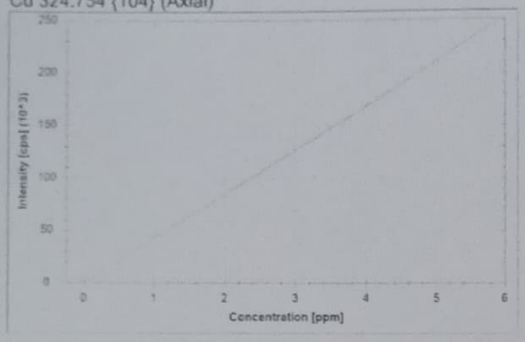
f(x) = 14437.0645*x + 0.8043
R^2 = 0.9994
BEC = 0.000 ppm
LoD = N/A

Cr 267.716 {126} (Axial)



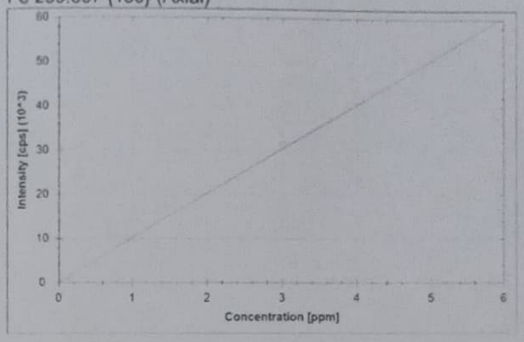
f(x) = 26878.4704*x + -9.2505
R^2 = 0.9991
BEC = 0.000 ppm
LoD = N/A

Cu 324.754 {104} (Axial)



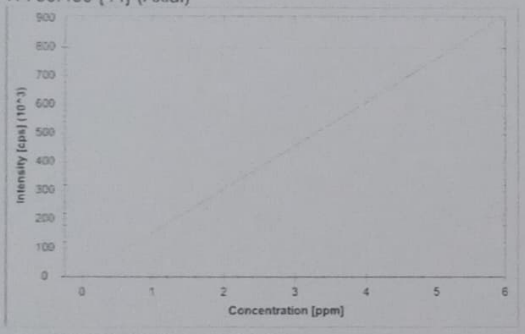
f(x) = 42098.6112*x + 21.6164
R^2 = 0.9996
BEC = 0.001 ppm
LoD = N/A

Fe 259.837 {130} (Axial)



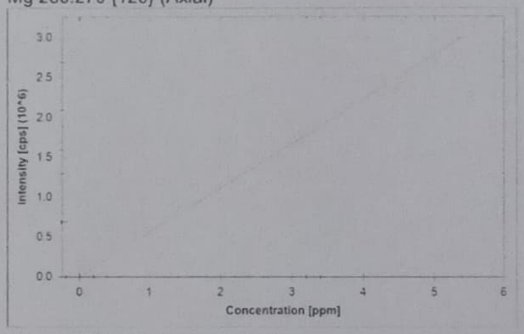
f(x) = 10137.0202*x + -15.5854
R^2 = 0.9992
BEC = -0.002 ppm
LoD = N/A

K 766.490 {44} (Axial)



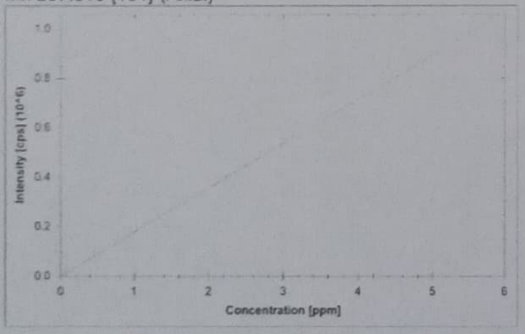
f(x) = 152493.3695*x + 1578.0188
R^2 = 0.9995
BEC = 0.010 ppm
LoD = N/A

Mg 280.270 {120} (Axial)



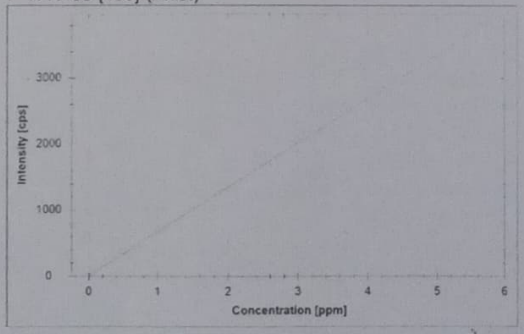
f(x) = 558270.6443*x + 347.1778
R^2 = 0.9980
BEC = 0.001 ppm
LoD = N/A

Mn 257.610 {131} (Axial)



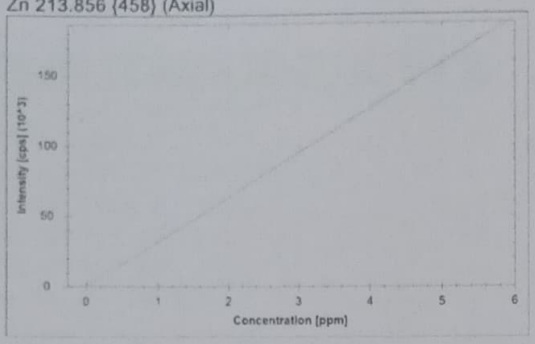
f(x) = 179067.0777*x + -42.4080
R^2 = 0.9994
BEC = 0.000 ppm
LoD = N/A

P 177.495 {490} (Axial)



f(x) = 669.8334*x + 2.2103
R^2 = 0.9995
BEC = 0.003 ppm
LoD = N/A

Zn 213.856 (458) (Axial)



f(x) = 31642.8729*x + 16.9600
R^2 = 0.9991
BEC = 0.001 ppm
LoD = N/A

Label Blank

	Intensity average
Ca 396.847 {85} (Radial)	393 cps
Al 167.079 {502} (Axial)	1 cps
Co 228.616 {447} (Axial)	1 cps
Cr 267.716 {126} (Axial)	-9 cps
Cu 324.754 {104} (Axial)	22 cps
Fe 259.837 {130} (Axial)	-16 cps
K 766.490 {44} (Axial)	1,578 cps
Mg 280.270 {120} (Axial)	347 cps
Mn 257.610 {131} (Axial)	-42 cps
P 177.495 {490} (Axial)	2 cps
Zn 213.856 {458} (Axial)	17 cps

Label STD 1

	Intensity average
Ca 396.847 {85} (Radial)	3,453 cps
Al 167.079 {502} (Axial)	163 cps
Co 228.616 {447} (Axial)	762 cps
Cr 267.716 {126} (Axial)	1,059 cps
Cu 324.754 {104} (Axial)	1,935 cps
Fe 259.837 {130} (Axial)	200 cps
K 766.490 {44} (Axial)	7,000 cps
Mg 280.270 {120} (Axial)	31,256 cps
Mn 257.610 {131} (Axial)	9,631 cps
P 177.495 {490} (Axial)	36 cps
Zn 213.856 {458} (Axial)	1,702 cps

Label STD 2

	Intensity average
Ca 396.847 {85} (Radial)	6,618 cps
Al 167.079 {502} (Axial)	329 cps
Co 228.616 {447} (Axial)	1,543 cps
Cr 267.716 {126} (Axial)	2,105 cps
Cu 324.754 {104} (Axial)	4,272 cps
Fe 259.837 {130} (Axial)	598 cps
K 766.490 {44} (Axial)	13,386 cps
Mg 280.270 {120} (Axial)	62,818 cps
Mn 257.610 {131} (Axial)	19,358 cps
P 177.495 {490} (Axial)	71 cps
Zn 213.856 {458} (Axial)	3,441 cps

Label STD 3

	Intensity average
Ca 396.847 {85} (Radial)	32,172 cps
Al 167.079 {502} (Axial)	1,709 cps
Co 228.616 {447} (Axial)	8,200 cps
Cr 267.716 {126} (Axial)	11,400 cps
Cu 324.754 {104} (Axial)	23,644 cps
Fe 259.837 {130} (Axial)	4,770 cps
K 766.490 {44} (Axial)	75,457 cps
Mg 280.270 {120} (Axial)	332,221 cps
Mn 257.610 {131} (Axial)	104,397 cps
P 177.495 {490} (Axial)	373 cps
Zn 213.856 {458} (Axial)	18,172 cps

Label STD 4

	Intensity average
Ca 396.847 {85} (Radial)	59,926 cps
Al 167.079 {502} (Axial)	3,128 cps
Co 228.616 {447} (Axial)	15,210 cps
Cr 267.716 {126} (Axial)	20,246 cps
Cu 324.754 {104} (Axial)	43,436 cps
Fe 259.837 {130} (Axial)	9,940 cps
K 766.490 {44} (Axial)	144,526 cps
Mg 280.270 {120} (Axial)	611,565 cps
Mn 257.610 {131} (Axial)	190,402 cps
P 177.495 {490} (Axial)	694 cps
Zn 213.856 {458} (Axial)	33,700 cps

Label STD 5

	Intensity average
Ca 396.847 {85} (Radial)	173,845 cps
Al 167.079 {502} (Axial)	8,533 cps
Co 228.616 {447} (Axial)	44,448 cps
Cr 267.716 {126} (Axial)	61,496 cps
Cu 324.754 {104} (Axial)	129,070 cps
Fe 259.837 {130} (Axial)	31,470 cps
K 766.490 {44} (Axial)	471,046 cps
Mg 280.270 {120} (Axial)	1,758,861 cps
Mn 257.610 {131} (Axial)	549,323 cps
P 177.495 {490} (Axial)	2,060 cps
Zn 213.856 {458} (Axial)	98,002 cps

Label STD 6

	Intensity average
Ca 396.847 {85} (Radial)	281,806 cps

	Intensity average
Al 167.079 {502} (Axial)	12,819 cps
Co 228.616 {447} (Axial)	71,250 cps
Cr 267.716 {126} (Axial)	99,180 cps
Cu 324.754 {104} (Axial)	208,344 cps
Fe 259.837 {130} (Axial)	50,100 cps
K 766.490 {44} (Axial)	759,089 cps
Mg 280.270 {120} (Axial)	2,725,453 cps
Mn 257.610 {131} (Axial)	884,191 cps
P 177.495 {490} (Axial)	3,314 cps
Zn 213.856 {458} (Axial)	155,750 cps

Label Blank

	Intensity average
Ca 396.847 {85} (Radial)	448 cps
Al 167.079 {502} (Axial)	2 cps
Co 228.616 {447} (Axial)	8 cps
Cr 267.716 {126} (Axial)	-11 cps
Cu 324.754 {104} (Axial)	68 cps
Fe 259.837 {130} (Axial)	-7 cps
K 766.490 {44} (Axial)	1,589 cps
Mg 280.270 {120} (Axial)	673 cps
Mn 257.610 {131} (Axial)	90 cps
P 177.495 {490} (Axial)	2 cps
Zn 213.856 {458} (Axial)	30 cps

Label BKT STD 4

	Intensity average
Ca 396.847 {85} (Radial)	59,584 cps
Al 167.079 {502} (Axial)	3,216 cps
Co 228.616 {447} (Axial)	15,275 cps
Cr 267.716 {126} (Axial)	27,710 cps
Cu 324.754 {104} (Axial)	45,055 cps
Fe 259.837 {130} (Axial)	10,184 cps
K 766.490 {44} (Axial)	132,288 cps
Mg 280.270 {120} (Axial)	633,306 cps
Mn 257.610 {131} (Axial)	191,400 cps
P 177.495 {490} (Axial)	694 cps
Zn 213.856 {458} (Axial)	39,615 cps