

Parameters

| | | Value | Standard Error | t-Value | Prob> t | Dependency |
|----------------------|------|--------------|----------------|-------------|-------------|------------|
| Peak1(Smoothed Y 1) | y0 | -85.85437 | 21.50183 | -3.99289 | 6.65932E-5 | 0.98443 |
| | xc | 752.79435 | 1.65901 | 453.76189 | 0 | 0.998 |
| | A | 24974.50094 | 23579.75126 | 1.05915 | 0.2896 | 0.99986 |
| | wG | 10.85348 | 5.26309 | 2.06219 | 0.03926 | 0.99926 |
| | wL | 2.04619E-4 | 12.00978 | 1.70377E-5 | 0.99999 | 0.99985 |
| | FWHM | 10.85359 | 1.85658 | | | |
| Peak2(Smoothed Y 1) | y0 | -85.85437 | 21.50183 | -3.99289 | 6.65932E-5 | 0.98443 |
| | xc | 764.26176 | 16.50639 | 46.30097 | 0 | 0.99998 |
| | A | 34151.3967 | 251842.46787 | 0.13561 | 0.89214 | 1 |
| | wG | 12.99312 | 22.36298 | 0.58101 | 0.56127 | 0.99996 |
| | wL | 4.59601E-15 | 0.23551 | 1.95151E-14 | 1 | 0.00965 |
| | FWHM | 12.99312 | 22.36298 | | | |
| Peak3(Smoothed Y 1) | y0 | -85.85437 | 21.50183 | -3.99289 | 6.65932E-5 | 0.98443 |
| | xc | 776.03625 | 4.14421 | 187.25812 | 0 | 0.99982 |
| | A | 48111.7102 | 1130363.94239 | 0.04256 | 0.96605 | 1 |
| | wG | 11.10203 | 107.05712 | 0.1037 | 0.91741 | 1 |
| | wL | 3.0801 | 327.33394 | 0.00941 | 0.99249 | 1 |
| | FWHM | 12.84081 | 89.38954 | | | |
| Peak4(Smoothed Y 1) | y0 | -85.85437 | 21.50183 | -3.99289 | 6.65932E-5 | 0.98443 |
| | xc | 783.05154 | 0.22065 | 3548.79199 | 0 | 0.95673 |
| | A | 30948.28847 | 107900.09832 | 0.28682 | 0.77426 | 0.99999 |
| | wG | 0.03926 | 352.27496 | 1.11449E-4 | 0.99991 | 0.99885 |
| | wL | 6.41536 | 11.8928 | 0.53943 | 0.58962 | 0.99994 |
| | FWHM | 6.41563 | 7.41173 | | | |
| Peak5(Smoothed Y 1) | y0 | -85.85437 | 21.50183 | -3.99289 | 6.65932E-5 | 0.98443 |
| | xc | 784.46204 | 29365.05645 | 0.02671 | 0.97869 | 0.99995 |
| | A | -1163.53389 | 762872.96664 | -0.00153 | 0.99878 | 1 |
| | wG | 148.45537 | 23918.30941 | 0.00621 | 0.99505 | 0.99943 |
| | wL | 127.88033 | 18206.32139 | 0.00702 | 0.9944 | 0.99947 |
| | FWHM | 228.30587 | 20780.44655 | | | |
| Peak6(Smoothed Y 1) | y0 | -85.85437 | 21.50183 | -3.99289 | 6.65932E-5 | 0.98443 |
| | xc | 793.51766 | 7.52019 | 105.51825 | 0 | 1 |
| | A | 162529.33108 | 2938694.22652 | 0.05531 | 0.9559 | 1 |
| | wG | 8.67689 | 19.06631 | 0.45509 | 0.64907 | 1 |
| | wL | 0.43369 | 83.29387 | 0.00521 | 0.99585 | 1 |
| | FWHM | 8.91109 | 27.72651 | | | |
| Peak7(Smoothed Y 1) | y0 | -85.85437 | 21.50183 | -3.99289 | 6.65932E-5 | 0.98443 |
| | xc | 802.14774 | 258.1818 | 3.10691 | 0.00191 | 1 |
| | A | 83685.26147 | 1.89045E7 | 0.00443 | 0.99647 | 1 |
| | wG | 8.97594 | 611.32769 | 0.01468 | 0.98829 | 1 |
| | wL | 2.6358 | 1555.35239 | 0.00169 | 0.99865 | 1 |
| | FWHM | 10.46848 | 466.67715 | | | |
| Peak8(Smoothed Y 1) | y0 | -85.85437 | 21.50183 | -3.99289 | 6.65932E-5 | 0.98443 |
| | xc | 808.52718 | 555.94342 | 1.45433 | 0.14594 | 1 |
| | A | 56284.47714 | 8.31152E7 | 6.77186E-4 | 0.99946 | 1 |
| | wG | 6.96716 | 2568.42792 | 0.00271 | 0.99784 | 1 |
| | wL | 5.58966 | 8742.59673 | 6.3936E-4 | 0.99949 | 1 |
| | FWHM | 10.42522 | 3811.0817 | | | |
| Peak9(Smoothed Y 1) | y0 | -85.85437 | 21.50183 | -3.99289 | 6.65932E-5 | 0.98443 |
| | xc | 813.73647 | 667.69947 | 1.21872 | 0.22303 | 1 |
| | A | 48005.97334 | 1.03662E8 | 4.63099E-4 | 0.99963 | 1 |
| | wG | 7.0669 | 4586.03319 | 0.00154 | 0.99877 | 1 |
| | wL | 4.81554 | 14991.36555 | 3.21221E-4 | 0.99974 | 1 |
| | FWHM | 9.98815 | 6263.30887 | | | |
| Peak10(Smoothed Y 1) | y0 | -85.85437 | 21.50183 | -3.99289 | 6.65932E-5 | 0.98443 |
| | xc | 819.14393 | 950.28092 | 0.862 | 0.38874 | 1 |
| | A | 49344.76613 | 7.4248E7 | 6.64594E-4 | 0.99947 | 1 |
| | wG | 7.25038 | 3069.1505 | 0.00236 | 0.99812 | 1 |
| | wL | 3.98835 | 9696.37473 | 4.11324E-4 | 0.99967 | 1 |
| | FWHM | 9.61638 | 4157.30358 | | | |
| Peak11(Smoothed Y 1) | y0 | -85.85437 | 21.50183 | -3.99289 | 6.65932E-5 | 0.98443 |
| | xc | 824.68739 | 1156.32843 | 0.71319 | 0.47577 | 1 |
| | A | 39797.00094 | 1.34042E8 | 2.969E-4 | 0.99976 | 1 |
| | wG | 6.43124 | 4169.54831 | 0.00154 | 0.99877 | 1 |
| | wL | 4.13638 | 14030.20269 | 2.9482E-4 | 0.99976 | 1 |
| | FWHM | 8.92449 | 6166.71523 | | | |
| Peak12(Smoothed Y 1) | y0 | -85.85437 | 21.50183 | -3.99289 | 6.65932E-5 | 0.98443 |
| | xc | 830.80083 | 1497.86187 | 0.55466 | 0.57916 | 1 |
| | A | 33163.64347 | 2.51101E8 | 1.32073E-4 | 0.99989 | 1 |
| | wG | 6.73835 | 8750.35242 | 7.70066E-4 | 0.99939 | 1 |
| | wL | 4.18371 | 16517.19808 | 2.53294E-4 | 0.9998 | 1 |
| | FWHM | 9.25065 | 9180.33043 | | | |
| Peak13(Smoothed Y 1) | y0 | -85.85437 | 21.50183 | -3.99289 | 6.65932E-5 | 0.98443 |
| | xc | 834.38739 | 52238.65667 | 0.01597 | 0.98726 | 1 |
| | A | 26860.46456 | 5.57885E8 | 4.8147E-5 | 0.99996 | 1 |
| | wG | 12.1982 | 89973.54337 | 1.35575E-4 | 0.99889 | 1 |
| | wL | 4.91604 | 21467.52499 | 2.28999E-4 | 0.99982 | 1 |
| | FWHM | 15.03903 | 90346.81001 | | | |
| Peak14(Smoothed Y 1) | y0 | -85.85437 | 21.50183 | -3.99289 | 6.65932E-5 | 0.98443 |
| | xc | 837.43749 | 347.35852 | 2.41087 | 0.01596 | 1 |
| | A | 23134.16272 | 2.23667E8 | 1.03431E-4 | 0.99992 | 1 |
| | wG | 5.46015 | 6304.59963 | 8.66057E-4 | 0.99931 | 1 |
| | wL | 4.94627 | 31613.4119 | 1.56461E-4 | 0.99988 | 1 |
| | FWHM | 8.56985 | 17084.60257 | | | |
| Peak15(Smoothed Y 1) | y0 | -85.85437 | 21.50183 | -3.99289 | 6.65932E-5 | 0.98443 |
| | xc | 843.09709 | 214.43365 | 3.93174 | 8.59411E-5 | 1 |
| | A | 23758.04462 | 5.81618E7 | 4.08482E-4 | 0.99967 | 1 |
| | wG | 5.01012 | 1326.47098 | 0.00378 | 0.99699 | 1 |
| | wL | 4.59611 | 6304.28151 | 7.29046E-4 | 0.99942 | 1 |
| | FWHM | 7.90472 | 3447.01136 | | | |
| Peak16(Smoothed Y 1) | y0 | -85.85437 | 21.50183 | -3.99289 | 6.65932E-5 | 0.98443 |
| | xc | 848.68583 | 648.21702 | 1.30926 | 0.19053 | 1 |
| | A | 27081.15091 | 5.11001E7 | 5.29963E-4 | 0.99958 | 1 |
| | wG | 6.9968 | 4147.19778 | 0.00169 | 0.99865 | 1 |
| | wL | 3.59905 | 13676.6842 | 2.63152E-4 | 0.99979 | 1 |
| | FWHM | 9.11855 | 4843.34887 | | | |
| Peak17(Smoothed Y 1) | y0 | -85.85437 | 21.50183 | -3.99289 | 6.65932E-5 | 0.98443 |
| | xc | 856.17695 | 1308.54743 | 0.6543 | 0.51296 | 1 |
| | A | 36656.21608 | 6.84888E7 | 5.35215E-4 | 0.99957 | 1 |
| | wG | 10.58695 | 5553.3368 | 0.00191 | 0.99848 | 1 |
| | wL | 0.76977 | 20069.20645 | 3.83559E-5 | 0.99997 | 1 |
| | FWHM | 11.00453 | 5940.34334 | | | |
| Peak18(Smoothed Y 1) | y0 | -85.85437 | 21.50183 | -3.99289 | 6.65932E-5 | 0.98443 |
| | xc | 863.64183 | 384.39528 | 2.24675 | 0.02472 | 1 |
| | A | 28624.52315 | 4.0974E7 | 6.98602E-4 | 0.99944 | 1 |
| | wG | 7.54848 | 2625.69766 | 0.00287 | 0.99771 | 1 |
| | wL | 3.26651 | 9744.39053 | 3.3522E-4 | 0.99973 | 1 |
| | FWHM | 9.44633 | 3562.16406 | | | |
| Peak19(Smoothed Y 1) | y0 | -85.85437 | 21.50183 | -3.99289 | 6.65932E-5 | 0.98443 |
| | xc | 876.29974 | 1088.11649 | 0.80534 | 0.42068 | 1 |
| | A | 20897.52593 | 6.2976E7 | 3.31833E-4 | 0.99974 | 1 |
| | wG | 10.54322 | 5211.43252 | 0.00202 | 0.99839 | 1 |
| | wL | 1.85702 | 4446.84586 | 4.17603E-4 | 0.99967 | 1 |
| | FWHM | 11.57135 | 3759.61382 | | | |
| Peak20(Smoothed Y 1) | y0 | -85.85437 | 21.50183 | -3.99289 | 6.65932E-5 | 0.98443 |
| | xc | 883.61973 | 36524.5171 | 0.02419 | 0.9807 | 1 |
| | A | 22874.29152 | 1.49789E7 | 0.00153 | 0.99878 | 1 |
| | wG | 16.77376 | 18178.50023 | 9.22725E-4 | 0.99926 | 1 |
| | wL | 6.51313E-15 | 0.44224 | 1.47275E-14 | 1 | 0.05994 |
| | FWHM | 16.77376 | 18178.50023 | | | |
| Peak21(Smoothed Y 1) | y0 | -85.85437 | 21.50183 | -3.99289 | 6.65932E-5 | 0.98443 |
| | xc | 889.97778 | 4102.13252 | 0.21695 | 0.82826 | 1 |
| | A | 25273.15404 | 7.29099E7 | 3.46636E-4 | 0.99972 | 1 |
| | wG | 13.00041 | 3724.22946 | 0.00349 | 0.99721 | 1 |
| | wL | 3.53007E-15 | 0.08985 | 3.92866E-14 | 1 | 0.04437 |
| | FWHM | 13.00041 | 3724.22946 | | | |
| Peak22(Smoothed Y 1) | y0 | -85.85437 | 21.50183 | -3.99289 | 6.65932E-5 | 0.98443 |
| | xc | 898.59096 | 36.09897 | 24.89243 | 3.22412E-12 | 1 |
| | A | 19168.27867 | 924632.64904 | 0.02073 | 0.98346 | 1 |
| | wG | 9.76622 | 27.07978 | 0.36065 | 0.71839 | 0.99997 |
| | wL | 7.54663E-5 | 74.14076 | 1.01788E-6 | 1 | 1 |
| | FWHM | 9.76626 | 46.05349 | | | |
| Peak23(Smoothed Y 1) | y0 | -85.85437 | 21.50183 | -3.99289 | 6.65932E-5 | 0.98443 |
| | xc | 869.95578 | 402.8697 | 2.1594 | 0.03089 | 1 |
| | A | 22219.2327 | 2.1327E7 | 0.00104 | 0.99917 | 1 |
| | wG | 7.23033 | 2062.65748 | 0.00351 | 0.9972 | 1 |
| | wL | 3.63955 | 7214.37351 | 5.04486E-4 | 0.9996 | 1 |
| | FWHM | 9.3718 | 2647.54506 | | | |

Reduced Chi-Sqr = 26257.7766661
COD(R²) = 0.99897291651015
Iterations Performed = 17
Total Iterations in Session = 18
Fit converged. Chi-Sqr tolerance value of 1E-9 was reached.
Standard Error was scaled with square root of reduced Chi-Sqr.
FWHM are derived parameter(s).

Statistics

| | Smoothed Y 1 |
|-------------------------|----------------|
| Number of Points | 3648 |
| Degrees of Freedom | 3555 |
| Reduced Chi-Sqr | 26257.77667 |
| Residual Sum of Squares | 9.33464E7 |
| R-Square (COD) | 0.99697 |
| Adj. R-Square | 0.99689 |
| Fit Status | Succeeded(100) |

Fit Status Code :
100 : Fit converged. Chi-Sqr tolerance value of 1E-9 was reached.

Summary

| | y0 | | xc | | A | | wG | | wL | | FWHM | | Statistics | |
|----------------------|-----------|----------------|-----------|----------------|--------------|----------------|-----------|----------------|-------------|----------------|-----------|----------------|-----------------|---------------|
| | Value | Standard Error | Value | Standard Error | Value | Standard Error | Value | Standard Error | Value | Standard Error | Value | Standard Error | Reduced Chi-Sqr | Adj. R-Square |
| Peak1(Smoothed Y 1) | -85.85437 | 21.50183 | 752.79435 | 1.65901 | 24974.50094 | 23579.75126 | 10.85348 | 5.26309 | 2.04619E-4 | 12.00978 | 10.85359 | 1.85658 | 26257.77667 | 0.99689 |
| Peak2(Smoothed Y 1) | -85.85437 | 21.50183 | 764.26176 | 16.50639 | 34151.3967 | 251842.46787 | 12.99312 | 22.36298 | 4.59601E-15 | 0.23551 | 12.99312 | 22.36298 | | |
| Peak3(Smoothed Y 1) | -85.85437 | 21.50183 | 776.03625 | 4.14421 | 48111.7102 | 1130363.94239 | 11.10203 | 107.05712 | 3.0801 | 327.33394 | 12.84081 | 89.38954 | | |
| Peak4(Smoothed Y 1) | -85.85437 | 21.50183 | 783.05154 | 0.22065 | 30948.28847 | 107900.09832 | 0.03926 | 352.27496 | 6.41536 | 11.8928 | 6.41563 | 7.41173 | | |
| Peak5(Smoothed Y 1) | -85.85437 | 21.50183 | 784.46204 | 29365.0645 | -1163.53389 | 762872.96664 | 148.45537 | 23918.30941 | 127.88033 | 18206.32139 | 228.30587 | 20780.44655 | | |
| Peak6(Smoothed Y 1) | -85.85437 | 21.50183 | 793.51766 | 7.52019 | 162529.33108 | 2938694.22652 | 8.67689 | 19.06631 | 0.43369 | 83.29387 | 8.91109 | 27.72651 | | |
| Peak7(Smoothed Y 1) | -85.85437 | 21.50183 | 802.14774 | 258.1818 | 83685.26147 | 1.8904562 | 8.97594 | 611.32769 | 2.6358 | 1555.35239 | 10.46848 | 466.67715 | | |
| Peak8(Smoothed Y 1) | -85.85437 | 21.50183 | 808.52718 | 555.94342 | 56284.47714 | 8.31152E7 | 6.96716 | 2568.42792 | 5.58966 | 8742.55639 | 13.01817 | 3811.017 | | |
| Peak9(Smoothed Y 1) | -85.85437 | 21.50183 | 813.73647 | 667.69947 | 48005.97334 | 1.03662E8 | 7.0669 | 4586.03319 | 4.81554 | 14991.36555 | 9.98815 | 6263.30887 | | |
| Peak10(Smoothed Y 1) | -85.85437 | 21.50183 | 819.14393 | 950.28092 | 49344.76613 | 7.4248E7 | 7.25038 | 3069.1505 | 3.98835 | 9696.37473 | 9.61638 | 4157.30358 | | |
| Peak11(Smoothed Y 1) | -85.85437 | 21.50183 | 824.68739 | 1156.32843 | 39797.00094 | 1.34042E8 | 6.43124 | 4169.54831 | 4.13638 | 14030.20269 | 8.92449 | 6166.71523 | | |
| Peak12(Smoothed Y 1) | -85.85437 | 21.50183 | 830.80063 | 1497.86187 | 3163.64347 | 2.51101E8 | 6.73835 | 8750.35342 | 4.18371 | 16517.19808 | 9.25065 | 9180.33043 | | |
| Peak13(Smoothed Y 1) | -85.85437 | 21.50183 | 834.38739 | 52238.65667 | 26860.46456 | 5.57885E8 | 12.9882 | 89973.54397 | 4.91604 | 21467.52499 | 15.03093 | 90346.81001 | | |
| Peak14(Smoothed Y 1) | -85.85437 | 21.50183 | 837.43749 | 347.35852 | 23134.16272 | 2.23667E8 | 5.46015 | 6304.59963 | 4.94627 | 31613.4119 | 15.86985 | 17084.60257 | | |
| Peak15(Smoothed Y 1) | -85.85437 | 21.50183 | 843.09709 | 214.43365 | 23758.04662 | 5.61618E7 | 5.01012 | 1326.47098 | 4.59611 | 6304.28151 | 7.90472 | 3447.01136 | | |
| Peak16(Smoothed Y 1) | -85.85437 | 21.50183 | 848.68583 | 648.21702 | 27081.15091 | 5.11001E7 | 6.9968 | 4147.19778 | 3.59905 | 13676.6842 | 9.11855 | 4843.34887 | | |
| Peak17(Smoothed Y 1) | -85.85437 | 21.50183 | 856.17695 | 1308.54743 | 1308.54743 | 6.84888E7 | 10.58895 | 5553.3368 | 0.76977 | 20069.20645 | 11.00453 | 5940.34334 | | |
| Peak18(Smoothed Y 1) | -85.85437 | 21.50183 | 863.64183 | 384.39528 | 26654.21608 | 4.0974E7 | 7.54848 | 2625.69766 | 3.26651 | 9744.39053 | 9.44633 | 3562.16406 | | |
| Peak19(Smoothed Y 1) | -85.85437 | 21.50183 | 876.29974 | 1088.11649 | 20897.52593 | 6.2976E7 | 10.54322 | 5211.43252 | 1.85702 | 4446.84586 | 11.57135 | 3759.61832 | | |
| Peak20(Smoothed Y 1) | -85.85437 | 21.50183 | 883.61973 | 36524.511 | 22874.25913 | 1.49789E7 | 16.77376 | 18178.50023 | 6.51313E-15 | 0.44224 | 16.77376 | 18178.50023 | | |
| Peak21(Smoothed Y 1) | -85.85437 | 21.50183 | 889.97778 | 4102.13252 | 25273.15404 | 7.29099E7 | 13.00041 | 3724.22946 | 3.53007E-15 | 0.08985 | 13.00041 | 3724.22946 | | |
| Peak22(Smoothed Y 1) | -85.85437 | 21.50183 | 898.59096 | 36.09897 | 19168.27867 | 924632.64904 | 9.76622 | 27.07978 | 7.54663E-5 | 74.14076 | 9.76626 | 46.05349 | | |
| Peak23(Smoothed Y 1) | -85.85437 | 21.50183 | 869.95578 | 402.8697 | 22219.2327 | 2.1327E7 | 7.23033 | 2062.65748 | 3.63955 | 7214.37351 | 9.3718 | 2647.54506 | | |