

		Value	Standard Error	t-Value	Prob> t	Dependency
Peak1(Smoothed Y1)	y0	-81.16762	7.45825	-10.88292	3.6858E-27	0.8598
	xc	755.78474	0.22947	3293.57604	0	0.7211
	A	22539.55947	2641.15452	8.53398	2.05846E-17	0.98421
	wG	13.70492	0.71801	19.08748	1.99585E-77	0.89389
	wL	2.82378E-17	--	--	--	--
	FWHM	13.70492	0.71801			
Peak2(Smoothed Y1)	y0	-81.16762	7.45825	-10.88292	3.6858E-27	0.8598
	xc	779.61645	4.48123	173.97364	0	0.9997
	A	155065.6589	62547.66833	2.47916	0.01321	0.99993
	wG	36.87937	4.87844	7.55966	5.10443E-14	0.99906
	wL	8.79395E-21	1.55292E7	5.66286E-28	1	--
	FWHM	36.87937	4.87844			
Peak3(Smoothed Y1)	y0	-81.16762	7.45825	-10.88292	3.6858E-27	0.8598
	xc	793.93984	0.75925	1045.68866	0	0.99983
	A	161885.98556	166387.8265	0.97294	0.33065	1
	wG	6.7875	1.2066	5.62532	1.99364E-8	0.99965
	wL	2.90822	2.41469	1.20439	0.22852	0.99993
	FWHM	8.47587	1.24437			
Peak4(Smoothed Y1)	y0	-81.16762	7.45825	-10.88292	3.6858E-27	0.8598
	xc	802.45131	--	--	--	1
	A	53400.74344	--	--	--	1
	wG	9.58174	88.98784	0.10767	0.91426	1
	wL	0.63635	419.61006	0.00152	0.99879	1
	FWHM	9.92651	105.11906			
Peak5(Smoothed Y1)	y0	-81.16762	7.45825	-10.88292	3.6858E-27	0.8598
	xc	808.92976	--	--	--	1
	A	48944.24082	--	--	--	1
	wG	12.03156	--	--	--	1
	wL	1.29382	1351.06203	9.57631E-4	0.99924	1
	FWHM	12.73829	--			
Peak6(Smoothed Y1)	y0	-81.16762	7.45825	-10.88292	3.6858E-27	0.8598
	xc	817.17002	--	--	--	1
	A	93798.74962	7.17019E7	0.00131	0.99896	1
	wG	15.87055	4201.1669	0.00378	0.99699	1
	wL	4.38114E-5	2469.83069	1.77386E-8	1	1
	FWHM	15.87058	4986.34864			
Peak7(Smoothed Y1)	y0	-81.16762	7.45825	-10.88292	3.6858E-27	0.8598
	xc	825.20672	--	--	--	1
	A	38522.72985	--	--	--	1
	wG	11.95627	4828.25764	0.00248	0.99802	1
	wL	4.5867	11791.97009	3.88968E-4	0.99969	1
	FWHM	14.59739	--			
Peak8(Smoothed Y1)	y0	-81.16762	7.45825	-10.88292	3.6858E-27	0.8598
	xc	830.62206	12110.40521	0.06859	0.94532	1
	A	43172.83536	--	--	--	1
	wG	13.23235	--	--	--	1
	wL	2.02929	--	--	--	1
	FWHM	14.35087	--			
Peak9(Smoothed Y1)	y0	-81.16762	7.45825	-10.88292	3.6858E-27	0.8598
	xc	838.62813	50604.63859	0.01657	0.98678	1
	A	34841.44279	3.6778E8	9.47344E-5	0.99992	1
	wG	15.21889	22436.02938	6.78324E-4	0.99946	1
	wL	1.13861	2592.56502	4.39184E-4	0.99965	1
	FWHM	15.83682	21524.60498			
Peak10(Smoothed Y1)	y0	-81.16762	7.45825	-10.88292	3.6858E-27	0.8598
	xc	843.07452	58738.4915	0.01435	0.98855	1
	A	29753.91547	1.3368E9	2.22576E-5	0.99998	1
	wG	15.27257	164001.70485	9.31245E-5	0.99993	1
	wL	1.29326	39513.19531	3.27297E-5	0.99997	1
	FWHM	15.9758	181093.91024			
Peak11(Smoothed Y1)	y0	-81.16762	7.45825	-10.88292	3.6858E-27	0.8598
	xc	848.71044	15694.53246	0.05408	0.95688	1
	A	15706.06468	8.71655E8	1.80187E-5	0.99999	1
	wG	12.37983	40042.67398	3.09166E-4	0.99975	1
	wL	3.88128	25519.49502	1.52091E-4	0.99988	1
	FWHM	14.58585	35564.31747			
Peak12(Smoothed Y1)	y0	-81.16762	7.45825	-10.88292	3.6858E-27	0.8598
	xc	855.58409	2182.78615	0.39197	0.6951	1
	A	42060.30238	9.42186E7	4.46412E-4	0.99964	1
	wG	14.69115	11629.55974	0.00126	0.99899	1
	wL	0.00172	39467.67709	4.36228E-8	1	1
	FWHM	14.69207	9142.22302			
Peak13(Smoothed Y1)	y0	-81.16762	7.45825	-10.88292	3.6858E-27	0.8598
	xc	863.69748	229.87693	3.75722	1.74551E-4	1
	A	27846.39835	4.17724E7	6.66623E-4	0.99947	1
	wG	9.81615	2281.41981	0.0043	0.99657	1
	wL	4.9922	9998.16575	4.99312E-4	0.9996	1
	FWHM	12.7562	4250.86328			
Peak14(Smoothed Y1)	y0	-81.16762	7.45825	-10.88292	3.6858E-27	0.8598
	xc	871.95344	469.11336	1.85873	0.06315	1
	A	38986.54081	4.28102E7	9.10684E-4	0.99927	1
	wG	14.97307	2968.51765	0.00504	0.99598	1
	wL	2.00706	1294.92054	0.00155	0.99876	1
	FWHM	16.07515	2621.00391			
Peak15(Smoothed Y1)	y0	-81.16762	7.45825	-10.88292	3.6858E-27	0.8598
	xc	881.72725	16491.92851	0.05346	0.95737	1
	A	25023.53456	1.30026E7	0.00192	0.99846	1
	wG	20.57586	7084.47256	0.0029	0.99768	1
	wL	2.61753E-43	--	--	--	--
	FWHM	20.57586	7084.47256			
Peak16(Smoothed Y1)	y0	-81.16762	7.45825	-10.88292	3.6858E-27	0.8598
	xc	890.05117	1035.75665	0.85932	0.39022	1
	A	36069.55601	2.05362E7	0.00176	0.9986	1
	wG	16.53738	575.07731	0.02876	0.97706	1
	wL	7.62519E-45	6.47772E16	1.17714E-61	1	--
	FWHM	16.53738	575.07731			
Peak17(Smoothed Y1)	y0	-81.16762	7.45825	-10.88292	3.6858E-27	0.8598
	xc	898.50055	1.35445	663.36788	0	0.99522
	A	14477.90845	156898.49106	0.09228	0.92648	1
	wG	8.80805	15.77153	0.55848	0.57655	0.99987
	wL	7.08155E-4	63.17234	1.12099E-5	0.99999	0.99999
	FWHM	8.80843	18.66523			

Reduced Chi-Sqr = 28449.7978268  
COD(R^2) = 0.99669807102664  
Iterations Performed = 7  
Total Iterations in Session = 7  
[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 Y1
Number of Points	3648
Degrees of Freedom	3579
Reduced Chi-Sqr	28449.79783
Residual Sum of Squares	1.01822E8
R-Square (COD)	0.9967
Adj. R-Square	0.99664
Fit Status	Succeeded(100)

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

Summary

	y0		xc		A		w G		w L		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 Y1)	-81.16762	7.45825	755.78474	0.22947	22539.55947	2641.15452	13.70492	0.71801	2.82378E-17	--	13.70492	0.71801	28449.79783	0.99664
Peak2(Smoothed Y1)	-81.16762	7.45825	779.61645	4.48123	155065.6589	62547.66833	36.87937	4.87844	8.79395E-21	1.55292E7	36.87937	4.87844		
Peak3(Smoothed Y1)	-81.16762	7.45825	793.93984	0.75925	161885.98556	166387.8265	6.7875	1.2066	2.90822	2.41469	8.47587	1.24437		
Peak4(Smoothed Y1)	-81.16762	7.45825	802.45131	--	53400.74344	--	9.58174	88.98784	0.63635	419.61006	9.92651	105.11906		
Peak5(Smoothed Y1)	-81.16762	7.45825	808.92976	--	48944.24082	--	12.03156	--	1.29382	1351.06203	12.73829	--		
Peak6(Smoothed Y1)	-81.16762	7.45825	817.17002	--	93798.74962	7.17019E7	15.87055	4201.1669	4.38114E-5	2469.83069	15.87058	4986.34864		
Peak7(Smoothed Y1)	-81.16762	7.45825	825.20672	--	38522.72985	--	11.95627	4828.25764	4.5867	11791.97009	14.59739	--		
Peak8(Smoothed Y1)	-81.16762	7.45825	830.62206	12110.40521	43172.83536	--	13.23235	--	2.02929	--	14.35087	--		
Peak9(Smoothed Y1)	-81.16762	7.45825	838.62813	50604.63859	34841.44279	3.6778E8	15.21889	22436.02938	1.13861	2592.56502	15.83682	21524.60498		
Peak10(Smoothed Y1)	-81.16762	7.45825	843.07452	58738.4915	29753.91547	1.3368E9	15.27257	164001.70485	1.29326	39513.19531	15.9758	181093.91024		
Peak11(Smoothed Y1)	-81.16762	7.45825	848.71044	15694.53246	15706.06468	8.71655E8	12.37983	40042.67398	3.88128	25519.49502	14.58585	35564.31747		
Peak12(Smoothed Y1)	-81.16762	7.45825	855.58409	2182.78615	42060.30238	9.42186E7	14.69115	11629.55974	0.00172	39467.67709	14.69207	9142.22302		
Peak13(Smoothed Y1)	-81.16762	7.45825	863.69748	229.87693	27846.39835	4.17724E7	9.81615	2281.41981	4.9922	9998.16575	12.7562	4250.86328		
Peak14(Smoothed Y1)	-81.16762	7.45825	871.95344	469.11336	38986.54081	4.28102E7	14.97307	2968.51765	2.00706	1294.92054	16.07515	2621.00391		
Peak15(Smoothed Y1)	-81.16762	7.45825	881.72725	16491.92851	25023.53456	1.30026E7	20.57586	7084.47256	2.61753E-43	--	20.57586	7084.47256		
Peak16(Smoothed Y1)	-81.16762	7.45825	890.05117	1035.75665	36069.55601	2.05362E7	16.53738	575.07731	7.62519E-45	6.47772E16	16.53738	575.07731		
Peak17(Smoothed Y1)	-81.16762	7.45825	898.50055	1.35445	14477.90845	156898.49106	8.80805	15.77153	7.08155E-4	63.17234	8.80843	18.66523		

ANOVA

		DF	Sum of Squares	Mean Square	F Value	Prob>F
Smoothed Y1	Regression	68	3.07353E10	4.51989E8	15887.24805	0
	Residual	3579	1.01822E8	28449.79783		
	Uncorrected Total	3648	3.65038E10			
	Corrected Total	3647	3.08371E10			

At the 0.05 level, the fitting function is significantly better than the function y=constant.

Fitted Curves

