

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE011320\  
 Data File : FE031100.D  
 Signal(s) : FID1B.CH  
 Acq On : 13 Jan 2020 18:51  
 Sample : L1106-07MSD  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\FE010420.M  
 Title :

Signal : FID1B.CH

| peak<br># | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-----------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1         | 2.336       | 2.285        | 2.479      | BH       | 755921         | 6419555      | 45.65%         | 1.682%        |
| 2         | 2.491       | 2.479        | 2.534      | PH       | 3923           | -5599        | -0.04%         | -0.001%       |
| 3         | 2.552       | 2.534        | 2.582      | PH       | 9866           | 27496        | 0.20%          | 0.007%        |
| 4         | 2.594       | 2.582        | 2.750      | PH       | -1080          | -320766      | -2.28%         | -0.084%       |
| 5         | 2.776       | 2.750        | 2.841      | PH       | -3196          | -217699      | -1.55%         | -0.057%       |
| 6         | 2.863       | 2.841        | 2.908      | PH       | -2654          | -156172      | -1.11%         | -0.041%       |
| 7         | 2.923       | 2.908        | 2.979      | PH       | -2892          | -177765      | -1.26%         | -0.047%       |
| 8         | 2.985       | 2.979        | 3.002      | PH       | -4546          | -64215       | -0.46%         | -0.017%       |
| 9         | 3.035       | 3.002        | 3.055      | PH       | -3456          | -131668      | -0.94%         | -0.035%       |
| 10        | 3.078       | 3.055        | 3.087      | PH       | -4006          | -80980       | -0.58%         | -0.021%       |
| 11        | 3.097       | 3.087        | 3.152      | PH       | -3842          | -174473      | -1.24%         | -0.046%       |
| 12        | 3.162       | 3.152        | 3.186      | PH       | -4796          | -100076      | -0.71%         | -0.026%       |
| 13        | 3.204       | 3.186        | 3.249      | PH       | -3751          | -176365      | -1.25%         | -0.046%       |
| 14        | 3.265       | 3.249        | 3.297      | PH       | -4834          | -146829      | -1.04%         | -0.038%       |
| 15        | 3.315       | 3.297        | 3.351      | PH       | -4518          | -163833      | -1.17%         | -0.043%       |
| 16        | 3.368       | 3.351        | 3.392      | PH       | -5168          | -129492      | -0.92%         | -0.034%       |
| 17        | 3.415       | 3.392        | 3.562      | PH       | 10666          | -399072      | -2.84%         | -0.105%       |
| 18        | 3.609       | 3.562        | 3.652      | PH       | -4653          | -281352      | -2.00%         | -0.074%       |
| 19        | 3.682       | 3.652        | 3.701      | PH       | -5108          | -158203      | -1.13%         | -0.041%       |
| 20        | 3.718       | 3.701        | 3.735      | PH       | -5051          | -105965      | -0.75%         | -0.028%       |
| 21        | 3.747       | 3.735        | 3.758      | PH       | -5325          | -75313       | -0.54%         | -0.020%       |
| 22        | 3.778       | 3.758        | 3.788      | PH       | -5163          | -94355       | -0.67%         | -0.025%       |
| 23        | 3.799       | 3.788        | 3.832      | PH       | -5087          | -139510      | -0.99%         | -0.037%       |
| 24        | 3.844       | 3.832        | 3.862      | PH       | -5110          | -98725       | -0.70%         | -0.026%       |
| 25        | 3.890       | 3.862        | 3.939      | PH       | -4642          | -238316      | -1.69%         | -0.062%       |
| 26        | 3.976       | 3.939        | 4.087      | PH       | 15411          | 3461         | 0.02%          | 0.001%        |
| 27        | 4.130       | 4.087        | 4.185      | PH       | -2112          | -186923      | -1.33%         | -0.049%       |
| 28        | 4.193       | 4.185        | 4.245      | PH       | -3751          | -157637      | -1.12%         | -0.041%       |
| 29        | 4.296       | 4.245        | 4.331      | PH       | -4270          | -250587      | -1.78%         | -0.066%       |
| 30        | 4.364       | 4.331        | 4.423      | PH       | 754546         | 7088534      | 50.41%         | 1.858%        |
| 31        | 4.430       | 4.423        | 4.449      | PH       | -3876          | -62944       | -0.45%         | -0.016%       |
| 32        | 4.466       | 4.449        | 4.490      | PH       | -3034          | -105285      | -0.75%         | -0.028%       |
| 33        | 4.511       | 4.490        | 4.545      | PH       | -1948          | -135175      | -0.96%         | -0.035%       |
| 34        | 4.578       | 4.545        | 4.601      | PH       | -3497          | -145741      | -1.04%         | -0.038%       |
| 35        | 4.611       | 4.601        | 4.628      | PH       | -4482          | -77180       | -0.55%         | -0.020%       |
| 36        | 4.641       | 4.628        | 4.677      | PH       | -4742          | -148506      | -1.06%         | -0.039%       |

| rteres |       |       |       |    |        |         |        |         |
|--------|-------|-------|-------|----|--------|---------|--------|---------|
| 37     | 4.711 | 4.677 | 4.725 | PH | -4885  | -148256 | -1.05% | -0.039% |
| 38     | 4.739 | 4.725 | 4.752 | PH | -4838  | -82475  | -0.59% | -0.022% |
| 39     | 4.771 | 4.752 | 4.796 | PH | -4966  | -135088 | -0.96% | -0.035% |
| 40     | 4.827 | 4.796 | 4.867 | PH | -4973  | -229518 | -1.63% | -0.060% |
| 41     | 4.888 | 4.867 | 4.914 | PH | -5429  | -159906 | -1.14% | -0.042% |
| 42     | 4.951 | 4.914 | 4.979 | PH | -4501  | -194584 | -1.38% | -0.051% |
| 43     | 4.999 | 4.979 | 5.022 | PH | -4874  | -133545 | -0.95% | -0.035% |
| 44     | 5.040 | 5.022 | 5.062 | PH | -4825  | -123027 | -0.87% | -0.032% |
| 45     | 5.075 | 5.062 | 5.090 | PH | -4589  | -84665  | -0.60% | -0.022% |
| 46     | 5.098 | 5.090 | 5.141 | PH | -5165  | -167600 | -1.19% | -0.044% |
| 47     | 5.161 | 5.141 | 5.175 | PH | -5370  | -113140 | -0.80% | -0.030% |
| 48     | 5.217 | 5.175 | 5.254 | PH | -3405  | -228332 | -1.62% | -0.060% |
| 49     | 5.279 | 5.254 | 5.322 | PH | -4903  | -216875 | -1.54% | -0.057% |
| 50     | 5.343 | 5.322 | 5.369 | PH | -5303  | -155066 | -1.10% | -0.041% |
| 51     | 5.392 | 5.369 | 5.415 | PH | 563    | -86853  | -0.62% | -0.023% |
| 52     | 5.426 | 5.415 | 5.440 | PH | -4313  | -71591  | -0.51% | -0.019% |
| 53     | 5.455 | 5.440 | 5.492 | PH | -4004  | -155131 | -1.10% | -0.041% |
| 54     | 5.508 | 5.492 | 5.536 | PH | -5429  | -146150 | -1.04% | -0.038% |
| 55     | 5.555 | 5.536 | 5.565 | PH | -4835  | -89450  | -0.64% | -0.023% |
| 56     | 5.576 | 5.565 | 5.597 | PH | -4896  | -100117 | -0.71% | -0.026% |
| 57     | 5.672 | 5.597 | 5.709 | PH | -4066  | -325399 | -2.31% | -0.085% |
| 58     | 5.726 | 5.709 | 5.751 | PH | -4265  | -120252 | -0.86% | -0.032% |
| 59     | 5.762 | 5.751 | 5.777 | PH | -5070  | -78957  | -0.56% | -0.021% |
| 60     | 5.810 | 5.777 | 5.825 | PH | -4612  | -142867 | -1.02% | -0.037% |
| 61     | 5.842 | 5.825 | 5.866 | PH | -4349  | -118331 | -0.84% | -0.031% |
| 62     | 5.899 | 5.866 | 5.916 | PH | -4949  | -151853 | -1.08% | -0.040% |
| 63     | 5.943 | 5.916 | 6.015 | PH | 626    | -203558 | -1.45% | -0.053% |
| 64     | 6.030 | 6.015 | 6.054 | PH | -4741  | -119217 | -0.85% | -0.031% |
| 65     | 6.087 | 6.054 | 6.108 | PH | -3115  | -140381 | -1.00% | -0.037% |
| 66     | 6.117 | 6.108 | 6.137 | PH | -4819  | -86200  | -0.61% | -0.023% |
| 67     | 6.151 | 6.137 | 6.165 | PH | -4952  | -88062  | -0.63% | -0.023% |
| 68     | 6.215 | 6.165 | 6.278 | PH | -3584  | -331791 | -2.36% | -0.087% |
| 69     | 6.294 | 6.278 | 6.309 | PH | -5006  | -94490  | -0.67% | -0.025% |
| 70     | 6.325 | 6.309 | 6.339 | PH | -4756  | -89630  | -0.64% | -0.023% |
| 71     | 6.372 | 6.339 | 6.479 | PH | 710506 | 7149720 | 50.85% | 1.874%  |
| 72     | 6.489 | 6.479 | 6.502 | PH | -4403  | -61965  | -0.44% | -0.016% |
| 73     | 6.518 | 6.502 | 6.543 | PH | -3805  | -105699 | -0.75% | -0.028% |
| 74     | 6.555 | 6.543 | 6.604 | PH | -4579  | -174096 | -1.24% | -0.046% |
| 75     | 6.647 | 6.604 | 6.675 | PH | -4649  | -209926 | -1.49% | -0.055% |
| 76     | 6.693 | 6.675 | 6.709 | PH | -4724  | -97227  | -0.69% | -0.025% |
| 77     | 6.722 | 6.709 | 6.742 | PH | -4607  | -94752  | -0.67% | -0.025% |
| 78     | 6.768 | 6.742 | 6.795 | PH | -4504  | -154120 | -1.10% | -0.040% |
| 79     | 6.805 | 6.795 | 6.825 | PH | -4986  | -90994  | -0.65% | -0.024% |
| 80     | 6.853 | 6.825 | 6.879 | PH | -3274  | -133365 | -0.95% | -0.035% |
| 81     | 6.896 | 6.879 | 6.913 | PH | -4063  | -86121  | -0.61% | -0.023% |
| 82     | 6.925 | 6.913 | 6.957 | PH | -4181  | -118777 | -0.84% | -0.031% |
| 83     | 6.997 | 6.957 | 7.048 | PH | -521   | -151715 | -1.08% | -0.040% |
| 84     | 7.067 | 7.048 | 7.101 | PH | -3173  | -120754 | -0.86% | -0.032% |
| 85     | 7.128 | 7.101 | 7.181 | PH | 1021   | -103918 | -0.74% | -0.027% |
| 86     | 7.199 | 7.181 | 7.228 | PH | -3367  | -113489 | -0.81% | -0.030% |
| 87     | 7.240 | 7.228 | 7.262 | PH | -4426  | -90840  | -0.65% | -0.024% |
| 88     | 7.291 | 7.262 | 7.324 | PH | -496   | -120763 | -0.86% | -0.032% |
| 89     | 7.347 | 7.324 | 7.394 | PH | -4413  | -198681 | -1.41% | -0.052% |

| rteres |        |        |        |    |        |         |        |         |
|--------|--------|--------|--------|----|--------|---------|--------|---------|
| 90     | 7.418  | 7.394  | 7.443  | PH | -4674  | -141383 | -1.01% | -0.037% |
| 91     | 7.465  | 7.443  | 7.490  | PH | -4587  | -133847 | -0.95% | -0.035% |
| 92     | 7.518  | 7.490  | 7.539  | PH | -4794  | -144103 | -1.02% | -0.038% |
| 93     | 7.575  | 7.539  | 7.597  | PH | -3746  | -163010 | -1.16% | -0.043% |
| 94     | 7.636  | 7.597  | 7.672  | PH | -4544  | -211292 | -1.50% | -0.055% |
| 95     | 7.719  | 7.672  | 7.732  | PH | -2448  | -138627 | -0.99% | -0.036% |
| 96     | 7.741  | 7.732  | 7.799  | PH | -2622  | -156864 | -1.12% | -0.041% |
| 97     | 7.813  | 7.799  | 7.835  | PH | -4408  | -99493  | -0.71% | -0.026% |
| 98     | 7.872  | 7.835  | 7.898  | PH | -2667  | -136769 | -0.97% | -0.036% |
| 99     | 7.914  | 7.898  | 7.933  | PH | -2939  | -74133  | -0.53% | -0.019% |
| 100    | 7.982  | 7.933  | 8.034  | PH | -45    | -180140 | -1.28% | -0.047% |
| 101    | 8.086  | 8.034  | 8.102  | PH | 6727   | -41047  | -0.29% | -0.011% |
| 102    | 8.115  | 8.102  | 8.130  | PH | 1969   | 11074   | 0.08%  | 0.003%  |
| 103    | 8.166  | 8.130  | 8.200  | PH | 700460 | 7488561 | 53.26% | 1.962%  |
| 104    | 8.224  | 8.200  | 8.254  | PH | 48950  | 590750  | 4.20%  | 0.155%  |
| 105    | 8.268  | 8.254  | 8.338  | HH | 9134   | 51641   | 0.37%  | 0.014%  |
| 106    | 8.361  | 8.338  | 8.389  | PH | -238   | -73225  | -0.52% | -0.019% |
| 107    | 8.406  | 8.389  | 8.430  | PH | -3360  | -91611  | -0.65% | -0.024% |
| 108    | 8.440  | 8.430  | 8.474  | PH | -4026  | -109784 | -0.78% | -0.029% |
| 109    | 8.522  | 8.474  | 8.539  | PH | -3028  | -143555 | -1.02% | -0.038% |
| 110    | 8.565  | 8.539  | 8.598  | PH | 7985   | 11399   | 0.08%  | 0.003%  |
| 111    | 8.615  | 8.598  | 8.628  | PH | -1459  | -37236  | -0.26% | -0.010% |
| 112    | 8.639  | 8.628  | 8.659  | PH | -1766  | -41493  | -0.30% | -0.011% |
| 113    | 8.670  | 8.659  | 8.678  | PH | -2498  | -28108  | -0.20% | -0.007% |
| 114    | 8.696  | 8.678  | 8.739  | PH | -2202  | -111257 | -0.79% | -0.029% |
| 115    | 8.755  | 8.739  | 8.775  | PH | -3211  | -76667  | -0.55% | -0.020% |
| 116    | 8.807  | 8.775  | 8.824  | PH | 237    | -58065  | -0.41% | -0.015% |
| 117    | 8.842  | 8.824  | 8.864  | PH | 420    | -30757  | -0.22% | -0.008% |
| 118    | 8.879  | 8.864  | 8.887  | PH | -2044  | -31823  | -0.23% | -0.008% |
| 119    | 8.906  | 8.887  | 8.955  | PH | 2293   | -52835  | -0.38% | -0.014% |
| 120    | 8.980  | 8.955  | 9.001  | PH | 2290   | -11106  | -0.08% | -0.003% |
| 121    | 9.016  | 9.001  | 9.060  | PH | 1343   | -55245  | -0.39% | -0.014% |
| 122    | 9.077  | 9.060  | 9.103  | PH | -3172  | -87097  | -0.62% | -0.023% |
| 123    | 9.131  | 9.103  | 9.149  | PH | 1528   | -40649  | -0.29% | -0.011% |
| 124    | 9.165  | 9.149  | 9.196  | PH | -129   | -52245  | -0.37% | -0.014% |
| 125    | 9.216  | 9.196  | 9.231  | PH | -1933  | -54794  | -0.39% | -0.014% |
| 126    | 9.268  | 9.231  | 9.294  | PH | 1272   | -44396  | -0.32% | -0.012% |
| 127    | 9.317  | 9.294  | 9.330  | PH | 1054   | -16650  | -0.12% | -0.004% |
| 128    | 9.352  | 9.330  | 9.409  | PH | 9506   | 98568   | 0.70%  | 0.026%  |
| 129    | 9.430  | 9.409  | 9.459  | PH | 1997   | -7271   | -0.05% | -0.002% |
| 130    | 9.498  | 9.459  | 9.520  | PH | 2973   | 27305   | 0.19%  | 0.007%  |
| 131    | 9.533  | 9.520  | 9.543  | PH | -388   | -8995   | -0.06% | -0.002% |
| 132    | 9.559  | 9.543  | 9.580  | PH | 825    | -7795   | -0.06% | -0.002% |
| 133    | 9.595  | 9.580  | 9.649  | PH | -836   | -73855  | -0.53% | -0.019% |
| 134    | 9.674  | 9.649  | 9.712  | PH | 887    | -34946  | -0.25% | -0.009% |
| 135    | 9.767  | 9.712  | 9.853  | PH | 673569 | 7668978 | 54.54% | 2.010%  |
| 136    | 9.868  | 9.853  | 9.894  | PH | -265   | -26269  | -0.19% | -0.007% |
| 137    | 9.933  | 9.894  | 9.962  | PH | -491   | -52508  | -0.37% | -0.014% |
| 138    | 9.974  | 9.962  | 10.022 | PH | -1829  | -80073  | -0.57% | -0.021% |
| 139    | 10.060 | 10.022 | 10.074 | PH | -1859  | -67904  | -0.48% | -0.018% |
| 140    | 10.096 | 10.074 | 10.126 | PH | 282    | -31134  | -0.22% | -0.008% |
| 141    | 10.150 | 10.126 | 10.173 | PH | 160    | -23002  | -0.16% | -0.006% |

|     |        |        |        |    | rteres |         |        |         |
|-----|--------|--------|--------|----|--------|---------|--------|---------|
| 142 | 10.232 | 10.173 | 10.255 | PH | 7491   | 98619   | 0.70%  | 0.026%  |
| 143 | 10.272 | 10.255 | 10.300 | HH | 4741   | 48603   | 0.35%  | 0.013%  |
| 144 | 10.317 | 10.300 | 10.332 | PH | 1411   | 6746    | 0.05%  | 0.002%  |
| 145 | 10.349 | 10.332 | 10.383 | PH | 4735   | 67630   | 0.48%  | 0.018%  |
|     |        |        |        |    |        |         |        |         |
| 146 | 10.425 | 10.383 | 10.473 | HH | 35791  | 499592  | 3.55%  | 0.131%  |
| 147 | 10.517 | 10.473 | 10.534 | HH | 4788   | 99829   | 0.71%  | 0.026%  |
| 148 | 10.557 | 10.534 | 10.595 | HH | 8088   | 135556  | 0.96%  | 0.036%  |
| 149 | 10.625 | 10.595 | 10.635 | PH | 916    | 10083   | 0.07%  | 0.003%  |
| 150 | 10.651 | 10.635 | 10.671 | HH | 2208   | 19615   | 0.14%  | 0.005%  |
|     |        |        |        |    |        |         |        |         |
| 151 | 10.688 | 10.671 | 10.704 | PH | 206    | -1985   | -0.01% | -0.001% |
| 152 | 10.751 | 10.704 | 10.803 | PH | 111453 | 1519774 | 10.81% | 0.398%  |
| 153 | 10.828 | 10.803 | 10.883 | HH | 34554  | 486930  | 3.46%  | 0.128%  |
| 154 | 10.912 | 10.883 | 10.944 | HH | 25720  | 323067  | 2.30%  | 0.085%  |
| 155 | 10.954 | 10.944 | 10.989 | HH | 1014   | 8931    | 0.06%  | 0.002%  |
|     |        |        |        |    |        |         |        |         |
| 156 | 11.013 | 10.989 | 11.030 | PH | 1385   | 14975   | 0.11%  | 0.004%  |
| 157 | 11.056 | 11.030 | 11.085 | HH | 7524   | 130674  | 0.93%  | 0.034%  |
| 158 | 11.114 | 11.085 | 11.129 | HH | 2304   | 48614   | 0.35%  | 0.013%  |
| 159 | 11.149 | 11.129 | 11.170 | HH | 3432   | 61452   | 0.44%  | 0.016%  |
| 160 | 11.211 | 11.170 | 11.256 | HH | 711165 | 8180558 | 58.18% | 2.144%  |
|     |        |        |        |    |        |         |        |         |
| 161 | 11.280 | 11.256 | 11.324 | HH | 11422  | 232178  | 1.65%  | 0.061%  |
| 162 | 11.351 | 11.324 | 11.380 | HH | 4702   | 90792   | 0.65%  | 0.024%  |
| 163 | 11.406 | 11.380 | 11.429 | HH | 7557   | 114497  | 0.81%  | 0.030%  |
| 164 | 11.467 | 11.429 | 11.497 | HH | 7947   | 172390  | 1.23%  | 0.045%  |
| 165 | 11.512 | 11.497 | 11.526 | HH | 2599   | 38645   | 0.27%  | 0.010%  |
|     |        |        |        |    |        |         |        |         |
| 166 | 11.555 | 11.526 | 11.570 | HH | 30488  | 387689  | 2.76%  | 0.102%  |
| 167 | 11.587 | 11.570 | 11.623 | HH | 33791  | 473870  | 3.37%  | 0.124%  |
| 168 | 11.668 | 11.623 | 11.686 | HH | 27440  | 507985  | 3.61%  | 0.133%  |
| 169 | 11.703 | 11.686 | 11.718 | HH | 24017  | 317818  | 2.26%  | 0.083%  |
| 170 | 11.734 | 11.718 | 11.780 | HH | 31526  | 457793  | 3.26%  | 0.120%  |
|     |        |        |        |    |        |         |        |         |
| 171 | 11.812 | 11.780 | 11.832 | HH | 2809   | 66174   | 0.47%  | 0.017%  |
| 172 | 11.877 | 11.832 | 11.902 | HH | 5328   | 168391  | 1.20%  | 0.044%  |
| 173 | 11.922 | 11.902 | 11.949 | HH | 23836  | 366290  | 2.60%  | 0.096%  |
| 174 | 11.964 | 11.949 | 12.002 | HH | 9388   | 217148  | 1.54%  | 0.057%  |
| 175 | 12.029 | 12.002 | 12.072 | HH | 16085  | 333477  | 2.37%  | 0.087%  |
|     |        |        |        |    |        |         |        |         |
| 176 | 12.090 | 12.072 | 12.101 | HH | 7052   | 102582  | 0.73%  | 0.027%  |
| 177 | 12.152 | 12.101 | 12.193 | HH | 289799 | 4987276 | 35.47% | 1.307%  |
| 178 | 12.204 | 12.193 | 12.215 | HH | 8153   | 103529  | 0.74%  | 0.027%  |
| 179 | 12.229 | 12.215 | 12.247 | HH | 8601   | 146911  | 1.04%  | 0.038%  |
| 180 | 12.278 | 12.247 | 12.289 | HH | 8712   | 192590  | 1.37%  | 0.050%  |
|     |        |        |        |    |        |         |        |         |
| 181 | 12.298 | 12.289 | 12.320 | HH | 8883   | 140722  | 1.00%  | 0.037%  |
| 182 | 12.347 | 12.320 | 12.388 | HH | 14240  | 357934  | 2.55%  | 0.094%  |
| 183 | 12.417 | 12.388 | 12.432 | HH | 11245  | 228000  | 1.62%  | 0.060%  |
| 184 | 12.456 | 12.432 | 12.476 | HH | 31568  | 518357  | 3.69%  | 0.136%  |
| 185 | 12.522 | 12.476 | 12.548 | HH | 623734 | 8062923 | 57.34% | 2.113%  |
|     |        |        |        |    |        |         |        |         |
| 186 | 12.573 | 12.548 | 12.624 | HH | 202503 | 2716539 | 19.32% | 0.712%  |
| 187 | 12.641 | 12.624 | 12.651 | HH | 6132   | 95615   | 0.68%  | 0.025%  |
| 188 | 12.669 | 12.651 | 12.689 | HH | 7480   | 143447  | 1.02%  | 0.038%  |
| 189 | 12.708 | 12.689 | 12.719 | HH | 9730   | 152152  | 1.08%  | 0.040%  |
| 190 | 12.758 | 12.719 | 12.778 | HH | 23007  | 494539  | 3.52%  | 0.130%  |
|     |        |        |        |    |        |         |        |         |
| 191 | 12.791 | 12.778 | 12.840 | HH | 12233  | 362047  | 2.57%  | 0.095%  |
| 192 | 12.871 | 12.840 | 12.899 | HH | 186179 | 2382509 | 16.94% | 0.624%  |
| 193 | 12.926 | 12.899 | 12.945 | HH | 26720  | 508516  | 3.62%  | 0.133%  |
| 194 | 12.962 | 12.945 | 12.993 | HH | 20741  | 391709  | 2.79%  | 0.103%  |

| rteres |        |        |        |    |        |          |        |        |
|--------|--------|--------|--------|----|--------|----------|--------|--------|
| 195    | 13.010 | 12.993 | 13.026 | HH | 8289   | 155914   | 1.11%  | 0.041% |
| 196    | 13.046 | 13.026 | 13.063 | HH | 12185  | 215722   | 1.53%  | 0.057% |
| 197    | 13.080 | 13.063 | 13.105 | HH | 12521  | 242591   | 1.73%  | 0.064% |
| 198    | 13.144 | 13.105 | 13.175 | HH | 21653  | 547604   | 3.89%  | 0.143% |
| 199    | 13.200 | 13.175 | 13.248 | HH | 22436  | 635576   | 4.52%  | 0.167% |
| 200    | 13.270 | 13.248 | 13.307 | HH | 14731  | 442819   | 3.15%  | 0.116% |
| 201    | 13.331 | 13.307 | 13.341 | HH | 24734  | 380159   | 2.70%  | 0.100% |
| 202    | 13.368 | 13.341 | 13.410 | HH | 144746 | 2208257  | 15.70% | 0.579% |
| 203    | 13.461 | 13.410 | 13.504 | HH | 47921  | 1233405  | 8.77%  | 0.323% |
| 204    | 13.524 | 13.504 | 13.543 | HH | 12216  | 262816   | 1.87%  | 0.069% |
| 205    | 13.570 | 13.543 | 13.590 | HH | 33156  | 601788   | 4.28%  | 0.158% |
| 206    | 13.608 | 13.590 | 13.631 | HH | 29486  | 506274   | 3.60%  | 0.133% |
| 207    | 13.648 | 13.631 | 13.679 | HH | 16906  | 397796   | 2.83%  | 0.104% |
| 208    | 13.722 | 13.679 | 13.760 | HH | 607854 | 8292397  | 58.97% | 2.173% |
| 209    | 13.779 | 13.760 | 13.823 | HH | 26665  | 635529   | 4.52%  | 0.167% |
| 210    | 13.858 | 13.823 | 13.885 | HH | 12592  | 432528   | 3.08%  | 0.113% |
| 211    | 13.911 | 13.885 | 13.921 | HH | 11481  | 231618   | 1.65%  | 0.061% |
| 212    | 13.939 | 13.921 | 14.015 | HH | 12839  | 617157   | 4.39%  | 0.162% |
| 213    | 14.048 | 14.015 | 14.062 | HH | 12062  | 299915   | 2.13%  | 0.079% |
| 214    | 14.111 | 14.062 | 14.140 | HH | 23678  | 755591   | 5.37%  | 0.198% |
| 215    | 14.185 | 14.140 | 14.241 | HH | 58577  | 1610669  | 11.45% | 0.422% |
| 216    | 14.279 | 14.241 | 14.319 | HH | 23295  | 858749   | 6.11%  | 0.225% |
| 217    | 14.338 | 14.319 | 14.355 | HH | 25921  | 447278   | 3.18%  | 0.117% |
| 218    | 14.377 | 14.355 | 14.416 | HH | 33978  | 855947   | 6.09%  | 0.224% |
| 219    | 14.439 | 14.416 | 14.465 | HH | 41571  | 798629   | 5.68%  | 0.209% |
| 220    | 14.505 | 14.465 | 14.544 | HH | 30945  | 1027161  | 7.30%  | 0.269% |
| 221    | 14.563 | 14.544 | 14.578 | HH | 17823  | 345354   | 2.46%  | 0.090% |
| 222    | 14.621 | 14.578 | 14.656 | HH | 401320 | 6082691  | 43.26% | 1.594% |
| 223    | 14.672 | 14.656 | 14.691 | HH | 18904  | 358719   | 2.55%  | 0.094% |
| 224    | 14.709 | 14.691 | 14.718 | HH | 19524  | 296976   | 2.11%  | 0.078% |
| 225    | 14.752 | 14.718 | 14.772 | HH | 93234  | 1664501  | 11.84% | 0.436% |
| 226    | 14.826 | 14.772 | 14.859 | HH | 566935 | 10183757 | 72.42% | 2.669% |
| 227    | 14.868 | 14.859 | 14.887 | HH | 20779  | 337959   | 2.40%  | 0.089% |
| 228    | 14.915 | 14.887 | 14.970 | HH | 35541  | 1193859  | 8.49%  | 0.313% |
| 229    | 15.005 | 14.970 | 15.029 | HH | 23035  | 727102   | 5.17%  | 0.191% |
| 230    | 15.060 | 15.029 | 15.149 | HH | 37959  | 1697298  | 12.07% | 0.445% |
| 231    | 15.203 | 15.149 | 15.283 | HH | 285437 | 5786674  | 41.15% | 1.516% |
| 232    | 15.359 | 15.283 | 15.399 | HH | 50942  | 2036600  | 14.48% | 0.534% |
| 233    | 15.428 | 15.399 | 15.439 | HH | 47315  | 894064   | 6.36%  | 0.234% |
| 234    | 15.462 | 15.439 | 15.498 | HH | 149882 | 2451356  | 17.43% | 0.642% |
| 235    | 15.514 | 15.498 | 15.525 | HH | 24329  | 370693   | 2.64%  | 0.097% |
| 236    | 15.562 | 15.525 | 15.577 | HH | 34047  | 938894   | 6.68%  | 0.246% |
| 237    | 15.592 | 15.577 | 15.629 | HH | 35161  | 923161   | 6.57%  | 0.242% |
| 238    | 15.698 | 15.629 | 15.742 | HH | 70986  | 2343124  | 16.66% | 0.614% |
| 239    | 15.752 | 15.742 | 15.778 | HH | 25427  | 508776   | 3.62%  | 0.133% |
| 240    | 15.848 | 15.778 | 15.888 | HH | 570842 | 8842640  | 62.89% | 2.317% |
| 241    | 15.907 | 15.888 | 15.919 | HH | 24610  | 448999   | 3.19%  | 0.118% |
| 242    | 15.937 | 15.919 | 15.994 | HH | 25403  | 1050615  | 7.47%  | 0.275% |
| 243    | 16.024 | 15.994 | 16.050 | HH | 35245  | 968495   | 6.89%  | 0.254% |
| 244    | 16.062 | 16.050 | 16.082 | HH | 27384  | 507335   | 3.61%  | 0.133% |
| 245    | 16.106 | 16.082 | 16.115 | HH | 28883  | 523397   | 3.72%  | 0.137% |
| 246    | 16.135 | 16.115 | 16.155 | HH | 32342  | 724346   | 5.15%  | 0.190% |

| rteres |        |        |        |    |        |          |        |        |
|--------|--------|--------|--------|----|--------|----------|--------|--------|
| 247    | 16.220 | 16.155 | 16.271 | HH | 55948  | 2504363  | 17.81% | 0.656% |
| 248    | 16.319 | 16.271 | 16.380 | HH | 121803 | 3808045  | 27.08% | 0.998% |
| 249    | 16.407 | 16.380 | 16.425 | HH | 34206  | 843977   | 6.00%  | 0.221% |
| 250    | 16.453 | 16.425 | 16.523 | HH | 55373  | 2231753  | 15.87% | 0.585% |
| 251    | 16.538 | 16.523 | 16.552 | HH | 30679  | 531347   | 3.78%  | 0.139% |
| 252    | 16.636 | 16.552 | 16.668 | HH | 79618  | 3156219  | 22.45% | 0.827% |
| 253    | 16.695 | 16.668 | 16.742 | HH | 89529  | 2276295  | 16.19% | 0.596% |
| 254    | 16.799 | 16.742 | 16.832 | HH | 579398 | 9360008  | 66.57% | 2.453% |
| 255    | 16.844 | 16.832 | 16.887 | HH | 40080  | 1238377  | 8.81%  | 0.325% |
| 256    | 16.905 | 16.887 | 16.919 | HH | 37359  | 686775   | 4.88%  | 0.180% |
| 257    | 16.936 | 16.919 | 16.983 | HH | 38826  | 1432863  | 10.19% | 0.375% |
| 258    | 17.005 | 16.983 | 17.016 | HH | 36444  | 693861   | 4.93%  | 0.182% |
| 259    | 17.061 | 17.016 | 17.136 | HH | 42485  | 2850511  | 20.27% | 0.747% |
| 260    | 17.163 | 17.136 | 17.185 | HH | 49921  | 1284814  | 9.14%  | 0.337% |
| 261    | 17.198 | 17.185 | 17.213 | HH | 43321  | 699023   | 4.97%  | 0.183% |
| 262    | 17.245 | 17.213 | 17.275 | HH | 88822  | 2169956  | 15.43% | 0.569% |
| 263    | 17.284 | 17.275 | 17.305 | HH | 40292  | 706598   | 5.03%  | 0.185% |
| 264    | 17.316 | 17.305 | 17.332 | HH | 39117  | 618551   | 4.40%  | 0.162% |
| 265    | 17.356 | 17.332 | 17.384 | HH | 43834  | 1289024  | 9.17%  | 0.338% |
| 266    | 17.402 | 17.384 | 17.441 | HH | 40431  | 1313106  | 9.34%  | 0.344% |
| 267    | 17.460 | 17.441 | 17.488 | HH | 39171  | 1079034  | 7.67%  | 0.283% |
| 268    | 17.506 | 17.488 | 17.519 | HH | 38796  | 697086   | 4.96%  | 0.183% |
| 269    | 17.532 | 17.519 | 17.550 | HH | 39310  | 717548   | 5.10%  | 0.188% |
| 270    | 17.574 | 17.550 | 17.590 | HH | 39999  | 927903   | 6.60%  | 0.243% |
| 271    | 17.688 | 17.590 | 17.749 | HH | 545127 | 11257731 | 80.06% | 2.950% |
| 272    | 17.773 | 17.749 | 17.797 | HH | 47779  | 1311333  | 9.33%  | 0.344% |
| 273    | 17.820 | 17.797 | 17.833 | HH | 48622  | 1001336  | 7.12%  | 0.262% |
| 274    | 17.847 | 17.833 | 17.884 | HH | 48461  | 1414922  | 10.06% | 0.371% |
| 275    | 17.904 | 17.884 | 17.938 | HH | 48383  | 1475269  | 10.49% | 0.387% |
| 276    | 17.977 | 17.938 | 18.010 | HH | 54613  | 2173219  | 15.46% | 0.569% |
| 277    | 18.043 | 18.010 | 18.085 | HH | 162886 | 4458329  | 31.71% | 1.168% |
| 278    | 18.105 | 18.085 | 18.143 | HH | 110876 | 2635516  | 18.74% | 0.691% |
| 279    | 18.157 | 18.143 | 18.172 | HH | 46990  | 800798   | 5.70%  | 0.210% |
| 280    | 18.201 | 18.172 | 18.220 | HH | 53149  | 1472360  | 10.47% | 0.386% |
| 281    | 18.237 | 18.220 | 18.292 | HH | 53050  | 2098990  | 14.93% | 0.550% |
| 282    | 18.327 | 18.292 | 18.362 | HH | 72828  | 2365117  | 16.82% | 0.620% |
| 283    | 18.374 | 18.362 | 18.385 | HH | 48143  | 661854   | 4.71%  | 0.173% |
| 284    | 18.409 | 18.385 | 18.432 | HH | 51031  | 1381971  | 9.83%  | 0.362% |
| 285    | 18.462 | 18.432 | 18.480 | HH | 59306  | 1561988  | 11.11% | 0.409% |
| 286    | 18.521 | 18.480 | 18.582 | HH | 543035 | 10057666 | 71.53% | 2.636% |
| 287    | 18.615 | 18.582 | 18.635 | HH | 55160  | 1654546  | 11.77% | 0.434% |
| 288    | 18.669 | 18.635 | 18.701 | HH | 53204  | 2026592  | 14.41% | 0.531% |
| 289    | 18.711 | 18.701 | 18.731 | HH | 49614  | 896564   | 6.38%  | 0.235% |
| 290    | 18.783 | 18.731 | 18.817 | HH | 56965  | 2725018  | 19.38% | 0.714% |
| 291    | 18.870 | 18.817 | 18.893 | HH | 121208 | 3567365  | 25.37% | 0.935% |
| 292    | 18.914 | 18.893 | 18.959 | HH | 109227 | 3046617  | 21.67% | 0.798% |
| 293    | 19.036 | 18.959 | 19.055 | HH | 74414  | 3536498  | 25.15% | 0.927% |
| 294    | 19.079 | 19.055 | 19.119 | HH | 83717  | 2546881  | 18.11% | 0.667% |
| 295    | 19.147 | 19.119 | 19.170 | HH | 67425  | 1914032  | 13.61% | 0.502% |
| 296    | 19.185 | 19.170 | 19.237 | HH | 64773  | 2389477  | 16.99% | 0.626% |
| 297    | 19.305 | 19.237 | 19.340 | HH | 505863 | 9875972  | 70.24% | 2.588% |
| 298    | 19.364 | 19.340 | 19.379 | HH | 67524  | 1518423  | 10.80% | 0.398% |
| 299    | 19.410 | 19.379 | 19.434 | HH | 79084  | 2406281  | 17.11% | 0.631% |

|     |        |        |        |     |        |          |         |        |
|-----|--------|--------|--------|-----|--------|----------|---------|--------|
|     |        |        |        |     | rteres |          |         |        |
| 300 | 19.452 | 19.434 | 19.527 | HH  | 70776  | 3831797  | 27.25%  | 1.004% |
| 301 | 19.559 | 19.527 | 19.614 | HH  | 106870 | 3979271  | 28.30%  | 1.043% |
| 302 | 19.656 | 19.614 | 19.732 | HH  | 91954  | 5382037  | 38.28%  | 1.410% |
| 303 | 19.739 | 19.732 | 19.752 | HH  | 64303  | 765959   | 5.45%   | 0.201% |
| 304 | 19.776 | 19.752 | 19.809 | HH  | 66409  | 2244475  | 15.96%  | 0.588% |
| 305 | 19.874 | 19.809 | 19.925 | HH  | 83423  | 5034531  | 35.80%  | 1.319% |
| 306 | 19.942 | 19.925 | 19.959 | HH  | 73671  | 1447572  | 10.29%  | 0.379% |
| 307 | 19.974 | 19.959 | 19.996 | HH  | 72129  | 1601650  | 11.39%  | 0.420% |
| 308 | 20.044 | 19.996 | 20.105 | HH  | 440428 | 10412914 | 74.05%  | 2.729% |
| 309 | 20.112 | 20.105 | 20.122 | HH  | 73090  | 726907   | 5.17%   | 0.190% |
| 310 | 20.136 | 20.122 | 20.155 | HH  | 73501  | 1464303  | 10.41%  | 0.384% |
| 311 | 20.201 | 20.155 | 20.233 | HH  | 76267  | 3508825  | 24.95%  | 0.919% |
| 312 | 20.257 | 20.233 | 20.289 | HH  | 78095  | 2561249  | 18.21%  | 0.671% |
| 313 | 20.390 | 20.289 | 20.479 | HH  | 86892  | 8950584  | 63.65%  | 2.345% |
| 314 | 20.488 | 20.479 | 20.499 | HH  | 76936  | 909530   | 6.47%   | 0.238% |
| 315 | 20.544 | 20.499 | 20.611 | HH  | 84245  | 5299641  | 37.69%  | 1.389% |
| 316 | 20.623 | 20.611 | 20.663 | HH  | 74923  | 2301996  | 16.37%  | 0.603% |
| 317 | 20.688 | 20.663 | 20.722 | HH  | 75094  | 2662108  | 18.93%  | 0.698% |
| 318 | 20.771 | 20.722 | 20.838 | HH  | 361425 | 10240676 | 72.83%  | 2.684% |
| 319 | 20.853 | 20.838 | 20.866 | HH  | 74495  | 1226637  | 8.72%   | 0.321% |
| 320 | 20.891 | 20.866 | 20.905 | HH  | 74936  | 1754648  | 12.48%  | 0.460% |
| 321 | 20.914 | 20.905 | 20.952 | HH  | 74735  | 2088356  | 14.85%  | 0.547% |
| 322 | 20.973 | 20.952 | 21.039 | HH  | 74380  | 3828511  | 27.23%  | 1.003% |
| 323 | 21.086 | 21.039 | 21.133 | HH  | 74401  | 4157964  | 29.57%  | 1.090% |
| 324 | 21.184 | 21.133 | 21.221 | HH  | 77134  | 3876928  | 27.57%  | 1.016% |
| 325 | 21.285 | 21.221 | 21.353 | HH  | 75123  | 5819762  | 41.39%  | 1.525% |
| 326 | 21.373 | 21.353 | 21.429 | HH  | 71862  | 3237768  | 23.03%  | 0.848% |
| 327 | 21.440 | 21.429 | 21.479 | HH  | 71098  | 2127537  | 15.13%  | 0.558% |
| 328 | 21.496 | 21.479 | 21.527 | HH  | 71153  | 2008820  | 14.29%  | 0.526% |
| 329 | 21.534 | 21.527 | 21.545 | HH  | 69138  | 748415   | 5.32%   | 0.196% |
| 330 | 21.656 | 21.545 | 21.752 | HHA | 278834 | 14061254 | 100.00% | 3.685% |

Sum of corrected areas: 381613595

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