

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE012020\  
 Data File : FE031138.D  
 Signal(s) : FID1B.CH  
 Acq On : 20 Jan 2020 14:47  
 Sample : L1166-03  
 Misc :  
 ALS Vial : 6 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        | 2.378      | BH       | 75             | -33594       | -0.07%         | -0.002%       |
| 2         | 2.384       | 2.378        | 2.461      | PH       | -1183          | -90093       | -0.18%         | -0.004%       |
| 3         | 2.468       | 2.461        | 2.484      | PH       | -2038          | -28685       | -0.06%         | -0.001%       |
| 4         | 2.500       | 2.484        | 2.531      | PH       | -1616          | -61655       | -0.12%         | -0.003%       |
| 5         | 2.552       | 2.531        | 2.578      | PH       | 7160           | 1022         | 0.00%          | 0.000%        |
| 6         | 2.603       | 2.578        | 2.635      | PH       | -1551          | -81589       | -0.16%         | -0.004%       |
| 7         | 2.667       | 2.635        | 2.751      | PH       | -565           | -176983      | -0.35%         | -0.009%       |
| 8         | 2.771       | 2.751        | 2.834      | PH       | -3219          | -174175      | -0.35%         | -0.009%       |
| 9         | 2.863       | 2.834        | 2.909      | PH       | -2615          | -166471      | -0.33%         | -0.008%       |
| 10        | 2.924       | 2.909        | 2.942      | PH       | -3879          | -82184       | -0.16%         | -0.004%       |
| 11        | 2.953       | 2.942        | 2.974      | PH       | -4208          | -84034       | -0.17%         | -0.004%       |
| 12        | 2.985       | 2.974        | 3.000      | PH       | -4333          | -68195       | -0.14%         | -0.003%       |
| 13        | 3.017       | 3.000        | 3.054      | PH       | -4093          | -138752      | -0.28%         | -0.007%       |
| 14        | 3.078       | 3.054        | 3.091      | PH       | -4170          | -95934       | -0.19%         | -0.005%       |
| 15        | 3.109       | 3.091        | 3.184      | PH       | -3674          | -254401      | -0.51%         | -0.012%       |
| 16        | 3.202       | 3.184        | 3.248      | PH       | -3291          | -176914      | -0.35%         | -0.009%       |
| 17        | 3.263       | 3.248        | 3.301      | PH       | -4766          | -166333      | -0.33%         | -0.008%       |
| 18        | 3.317       | 3.301        | 3.348      | PH       | -4506          | -143322      | -0.28%         | -0.007%       |
| 19        | 3.358       | 3.348        | 3.392      | PH       | -5240          | -141600      | -0.28%         | -0.007%       |
| 20        | 3.414       | 3.392        | 3.451      | PH       | -5401          | -195305      | -0.39%         | -0.010%       |
| 21        | 3.474       | 3.451        | 3.495      | PH       | -5311          | -145784      | -0.29%         | -0.007%       |
| 22        | 3.506       | 3.495        | 3.536      | PH       | -5371          | -136241      | -0.27%         | -0.007%       |
| 23        | 3.597       | 3.536        | 3.649      | PH       | -4673          | -364764      | -0.72%         | -0.018%       |
| 24        | 3.683       | 3.649        | 3.743      | PH       | -4608          | -300365      | -0.60%         | -0.015%       |
| 25        | 3.780       | 3.743        | 3.791      | PH       | -5567          | -160319      | -0.32%         | -0.008%       |
| 26        | 3.802       | 3.791        | 3.838      | PH       | -5468          | -164008      | -0.33%         | -0.008%       |
| 27        | 3.850       | 3.838        | 3.865      | PH       | -5683          | -93291       | -0.19%         | -0.005%       |
| 28        | 3.890       | 3.865        | 3.940      | PH       | -5312          | -259460      | -0.52%         | -0.013%       |
| 29        | 3.982       | 3.940        | 4.025      | PH       | 10368          | -61353       | -0.12%         | -0.003%       |
| 30        | 4.035       | 4.025        | 4.101      | PH       | -3586          | -209315      | -0.42%         | -0.010%       |
| 31        | 4.138       | 4.101        | 4.155      | PH       | -4913          | -168287      | -0.33%         | -0.008%       |
| 32        | 4.169       | 4.155        | 4.205      | PH       | -4572          | -154376      | -0.31%         | -0.008%       |
| 33        | 4.236       | 4.205        | 4.268      | PH       | -5136          | -208215      | -0.41%         | -0.010%       |
| 34        | 4.301       | 4.268        | 4.338      | PH       | -5680          | -243500      | -0.48%         | -0.012%       |
| 35        | 4.366       | 4.338        | 4.401      | PH       | -4001          | -205262      | -0.41%         | -0.010%       |
| 36        | 4.411       | 4.401        | 4.424      | PH       | -5570          | -75210       | -0.15%         | -0.004%       |

| rteres |       |       |       |    |       |         |        |         |
|--------|-------|-------|-------|----|-------|---------|--------|---------|
| 37     | 4.462 | 4.424 | 4.495 | PH | -5411 | -237491 | -0.47% | -0.012% |
| 38     | 4.514 | 4.495 | 4.549 | PH | -3422 | -159868 | -0.32% | -0.008% |
| 39     | 4.584 | 4.549 | 4.603 | PH | -5175 | -180187 | -0.36% | -0.009% |
| 40     | 4.616 | 4.603 | 4.632 | PH | -5442 | -97727  | -0.19% | -0.005% |
|        |       |       |       |    |       |         |        |         |
| 41     | 4.648 | 4.632 | 4.678 | PH | -5308 | -158064 | -0.31% | -0.008% |
| 42     | 4.713 | 4.678 | 4.727 | PH | -5683 | -171218 | -0.34% | -0.008% |
| 43     | 4.743 | 4.727 | 4.758 | PH | -5390 | -104398 | -0.21% | -0.005% |
| 44     | 4.776 | 4.758 | 4.805 | PH | -5586 | -161962 | -0.32% | -0.008% |
| 45     | 4.834 | 4.805 | 4.874 | PH | -5576 | -240944 | -0.48% | -0.012% |
|        |       |       |       |    |       |         |        |         |
| 46     | 4.889 | 4.874 | 4.906 | PH | -5920 | -113591 | -0.23% | -0.006% |
| 47     | 4.957 | 4.906 | 4.979 | PH | -5161 | -246705 | -0.49% | -0.012% |
| 48     | 5.016 | 4.979 | 5.022 | PH | -5320 | -139542 | -0.28% | -0.007% |
| 49     | 5.053 | 5.022 | 5.069 | PH | -4457 | -137917 | -0.27% | -0.007% |
| 50     | 5.099 | 5.069 | 5.150 | PH | -4664 | -258296 | -0.51% | -0.013% |
|        |       |       |       |    |       |         |        |         |
| 51     | 5.163 | 5.150 | 5.187 | PH | -5706 | -131125 | -0.26% | -0.006% |
| 52     | 5.220 | 5.187 | 5.245 | PH | -3823 | -179414 | -0.36% | -0.009% |
| 53     | 5.282 | 5.245 | 5.331 | PH | -5046 | -286877 | -0.57% | -0.014% |
| 54     | 5.348 | 5.331 | 5.367 | PH | -5448 | -121946 | -0.24% | -0.006% |
| 55     | 5.396 | 5.367 | 5.455 | PH | -3935 | -275575 | -0.55% | -0.014% |
|        |       |       |       |    |       |         |        |         |
| 56     | 5.473 | 5.455 | 5.495 | PH | -4989 | -130381 | -0.26% | -0.006% |
| 57     | 5.509 | 5.495 | 5.545 | PH | -5343 | -168191 | -0.33% | -0.008% |
| 58     | 5.580 | 5.545 | 5.617 | PH | -4983 | -235745 | -0.47% | -0.012% |
| 59     | 5.678 | 5.617 | 5.717 | PH | -4575 | -319153 | -0.63% | -0.016% |
| 60     | 5.735 | 5.717 | 5.750 | PH | -5227 | -108288 | -0.22% | -0.005% |
|        |       |       |       |    |       |         |        |         |
| 61     | 5.766 | 5.750 | 5.791 | PH | -5132 | -132029 | -0.26% | -0.006% |
| 62     | 5.812 | 5.791 | 5.824 | PH | -5456 | -109991 | -0.22% | -0.005% |
| 63     | 5.848 | 5.824 | 5.872 | PH | -4499 | -144836 | -0.29% | -0.007% |
| 64     | 5.905 | 5.872 | 5.925 | PH | -5193 | -168524 | -0.33% | -0.008% |
| 65     | 5.948 | 5.925 | 6.018 | PH | 1431  | -172239 | -0.34% | -0.008% |
|        |       |       |       |    |       |         |        |         |
| 66     | 6.034 | 6.018 | 6.060 | PH | -4486 | -121358 | -0.24% | -0.006% |
| 67     | 6.088 | 6.060 | 6.142 | PH | -820  | -195738 | -0.39% | -0.010% |
| 68     | 6.159 | 6.142 | 6.195 | PH | -4697 | -160398 | -0.32% | -0.008% |
| 69     | 6.224 | 6.195 | 6.251 | PH | -4301 | -156926 | -0.31% | -0.008% |
| 70     | 6.268 | 6.251 | 6.287 | PH | -4427 | -98465  | -0.20% | -0.005% |
|        |       |       |       |    |       |         |        |         |
| 71     | 6.304 | 6.287 | 6.350 | PH | -4610 | -183605 | -0.36% | -0.009% |
| 72     | 6.375 | 6.350 | 6.422 | PH | -2360 | -178546 | -0.35% | -0.009% |
| 73     | 6.454 | 6.422 | 6.475 | PH | -4692 | -155012 | -0.31% | -0.008% |
| 74     | 6.523 | 6.475 | 6.543 | PH | -3380 | -182116 | -0.36% | -0.009% |
| 75     | 6.561 | 6.543 | 6.588 | PH | -4367 | -123489 | -0.25% | -0.006% |
|        |       |       |       |    |       |         |        |         |
| 76     | 6.597 | 6.588 | 6.611 | PH | -4818 | -68681  | -0.14% | -0.003% |
| 77     | 6.654 | 6.611 | 6.676 | PH | -4321 | -187728 | -0.37% | -0.009% |
| 78     | 6.696 | 6.676 | 6.743 | PH | -4248 | -186653 | -0.37% | -0.009% |
| 79     | 6.775 | 6.743 | 6.793 | PH | -3493 | -129547 | -0.26% | -0.006% |
| 80     | 6.806 | 6.793 | 6.831 | PH | -4405 | -106377 | -0.21% | -0.005% |
|        |       |       |       |    |       |         |        |         |
| 81     | 6.870 | 6.831 | 6.917 | PH | -3211 | -195675 | -0.39% | -0.010% |
| 82     | 6.934 | 6.917 | 6.957 | PH | -3369 | -93562  | -0.19% | -0.005% |
| 83     | 7.002 | 6.957 | 7.022 | PH | 2723  | -75735  | -0.15% | -0.004% |
| 84     | 7.030 | 7.022 | 7.057 | PH | -1553 | -53901  | -0.11% | -0.003% |
| 85     | 7.076 | 7.057 | 7.111 | PH | -1787 | -103197 | -0.21% | -0.005% |
|        |       |       |       |    |       |         |        |         |
| 86     | 7.135 | 7.111 | 7.162 | PH | 5696  | -8714   | -0.02% | -0.000% |
| 87     | 7.173 | 7.162 | 7.230 | PH | -2645 | -136938 | -0.27% | -0.007% |
| 88     | 7.249 | 7.230 | 7.261 | PH | -3610 | -70512  | -0.14% | -0.003% |
| 89     | 7.298 | 7.261 | 7.328 | PH | 1787  | -80663  | -0.16% | -0.004% |

|     |        |        |        |    | rteres |         |        |         |
|-----|--------|--------|--------|----|--------|---------|--------|---------|
| 90  | 7.339  | 7.328  | 7.355  | PH | -3534  | -59223  | -0.12% | -0.003% |
| 91  | 7.372  | 7.355  | 7.403  | PH | -3363  | -105401 | -0.21% | -0.005% |
| 92  | 7.425  | 7.403  | 7.440  | PH | -3699  | -84691  | -0.17% | -0.004% |
| 93  | 7.475  | 7.440  | 7.508  | PH | -2577  | -131870 | -0.26% | -0.006% |
| 94  | 7.527  | 7.508  | 7.543  | PH | -3204  | -75020  | -0.15% | -0.004% |
| 95  | 7.585  | 7.543  | 7.602  | PH | -2917  | -124872 | -0.25% | -0.006% |
| 96  | 7.636  | 7.602  | 7.678  | PH | -3064  | -157202 | -0.31% | -0.008% |
| 97  | 7.727  | 7.678  | 7.795  | PH | -592   | -166206 | -0.33% | -0.008% |
| 98  | 7.819  | 7.795  | 7.841  | PH | -2555  | -82486  | -0.16% | -0.004% |
| 99  | 7.882  | 7.841  | 7.954  | PH | 57     | -126754 | -0.25% | -0.006% |
| 100 | 7.990  | 7.954  | 8.034  | PH | 3715   | -18554  | -0.04% | -0.001% |
| 101 | 8.097  | 8.034  | 8.112  | PH | 9468   | 46452   | 0.09%  | 0.002%  |
| 102 | 8.129  | 8.112  | 8.152  | HH | 6087   | 91508   | 0.18%  | 0.004%  |
| 103 | 8.168  | 8.152  | 8.197  | HH | 8393   | 67076   | 0.13%  | 0.003%  |
| 104 | 8.231  | 8.197  | 8.262  | PH | 85896  | 954346  | 1.90%  | 0.047%  |
| 105 | 8.280  | 8.262  | 8.315  | HH | 11026  | 174041  | 0.35%  | 0.009%  |
| 106 | 8.326  | 8.315  | 8.351  | HH | 1035   | 2844    | 0.01%  | 0.000%  |
| 107 | 8.370  | 8.351  | 8.404  | PH | 910    | -17279  | -0.03% | -0.001% |
| 108 | 8.416  | 8.404  | 8.440  | PH | -1101  | -33348  | -0.07% | -0.002% |
| 109 | 8.456  | 8.440  | 8.477  | PH | -1878  | -44647  | -0.09% | -0.002% |
| 110 | 8.498  | 8.477  | 8.508  | PH | -1710  | -36530  | -0.07% | -0.002% |
| 111 | 8.534  | 8.508  | 8.549  | PH | 910    | -4440   | -0.01% | -0.000% |
| 112 | 8.575  | 8.549  | 8.607  | HH | 97747  | 1050206 | 2.09%  | 0.052%  |
| 113 | 8.622  | 8.607  | 8.677  | HH | 5553   | 119787  | 0.24%  | 0.006%  |
| 114 | 8.704  | 8.677  | 8.731  | HH | 5273   | 66592   | 0.13%  | 0.003%  |
| 115 | 8.760  | 8.731  | 8.790  | PH | 474    | -6228   | -0.01% | -0.000% |
| 116 | 8.817  | 8.790  | 8.832  | PH | 7823   | 82244   | 0.16%  | 0.004%  |
| 117 | 8.851  | 8.832  | 8.898  | HH | 18870  | 253292  | 0.50%  | 0.012%  |
| 118 | 8.909  | 8.898  | 8.927  | HH | 2186   | 27477   | 0.05%  | 0.001%  |
| 119 | 8.938  | 8.927  | 8.965  | HH | 1403   | 14207   | 0.03%  | 0.001%  |
| 120 | 8.991  | 8.965  | 9.013  | PH | 15297  | 182139  | 0.36%  | 0.009%  |
| 121 | 9.028  | 9.013  | 9.066  | HH | 4723   | 53708   | 0.11%  | 0.003%  |
| 122 | 9.078  | 9.066  | 9.106  | PH | -117   | -12987  | -0.03% | -0.001% |
| 123 | 9.141  | 9.106  | 9.159  | PH | 4270   | 31637   | 0.06%  | 0.002%  |
| 124 | 9.175  | 9.159  | 9.208  | HH | 3436   | 31340   | 0.06%  | 0.002%  |
| 125 | 9.226  | 9.208  | 9.241  | PH | 701    | 155     | 0.00%  | 0.000%  |
| 126 | 9.279  | 9.241  | 9.305  | PH | 4546   | 60168   | 0.12%  | 0.003%  |
| 127 | 9.329  | 9.305  | 9.339  | HH | 4555   | 50093   | 0.10%  | 0.002%  |
| 128 | 9.363  | 9.339  | 9.420  | HH | 58765  | 835487  | 1.66%  | 0.041%  |
| 129 | 9.441  | 9.420  | 9.468  | HH | 8779   | 150388  | 0.30%  | 0.007%  |
| 130 | 9.484  | 9.468  | 9.493  | HH | 8164   | 96782   | 0.19%  | 0.005%  |
| 131 | 9.513  | 9.493  | 9.553  | HH | 16713  | 307713  | 0.61%  | 0.015%  |
| 132 | 9.573  | 9.553  | 9.621  | HH | 10657  | 199667  | 0.40%  | 0.010%  |
| 133 | 9.630  | 9.621  | 9.661  | HH | 2033   | 40292   | 0.08%  | 0.002%  |
| 134 | 9.686  | 9.661  | 9.722  | HH | 13330  | 230575  | 0.46%  | 0.011%  |
| 135 | 9.733  | 9.722  | 9.751  | HH | 4222   | 62027   | 0.12%  | 0.003%  |
| 136 | 9.776  | 9.751  | 9.832  | HH | 20603  | 518671  | 1.03%  | 0.025%  |
| 137 | 9.847  | 9.832  | 9.862  | HH | 4913   | 75642   | 0.15%  | 0.004%  |
| 138 | 9.878  | 9.862  | 9.907  | HH | 4943   | 85763   | 0.17%  | 0.004%  |
| 139 | 9.952  | 9.907  | 10.025 | HH | 3148   | 128273  | 0.25%  | 0.006%  |
| 140 | 10.044 | 10.025 | 10.060 | HH | 1679   | 29391   | 0.06%  | 0.001%  |
| 141 | 10.127 | 10.060 | 10.140 | HH | 5720   | 153371  | 0.30%  | 0.008%  |

| rteres |        |        |        |    |        |          |        |        |
|--------|--------|--------|--------|----|--------|----------|--------|--------|
| 142    | 10.160 | 10.140 | 10.181 | HH | 10299  | 171601   | 0.34%  | 0.008% |
| 143    | 10.192 | 10.181 | 10.198 | HH | 5149   | 49194    | 0.10%  | 0.002% |
| 144    | 10.247 | 10.198 | 10.270 | HH | 17805  | 412799   | 0.82%  | 0.020% |
| 145    | 10.286 | 10.270 | 10.325 | HH | 10561  | 224881   | 0.45%  | 0.011% |
|        |        |        |        |    |        |          |        |        |
| 146    | 10.363 | 10.325 | 10.398 | HH | 13428  | 332355   | 0.66%  | 0.016% |
| 147    | 10.422 | 10.398 | 10.481 | HH | 23343  | 551704   | 1.10%  | 0.027% |
| 148    | 10.513 | 10.481 | 10.545 | HH | 19524  | 488015   | 0.97%  | 0.024% |
| 149    | 10.572 | 10.545 | 10.625 | HH | 34462  | 835554   | 1.66%  | 0.041% |
| 150    | 10.640 | 10.625 | 10.650 | HH | 8176   | 116675   | 0.23%  | 0.006% |
|        |        |        |        |    |        |          |        |        |
| 151    | 10.668 | 10.650 | 10.687 | HH | 11329  | 198956   | 0.40%  | 0.010% |
| 152    | 10.701 | 10.687 | 10.717 | HH | 7868   | 131078   | 0.26%  | 0.006% |
| 153    | 10.773 | 10.717 | 10.819 | HH | 618081 | 7574441  | 15.05% | 0.372% |
| 154    | 10.845 | 10.819 | 10.976 | HH | 147873 | 2720878  | 5.41%  | 0.134% |
| 155    | 10.983 | 10.976 | 11.000 | HH | 8189   | 111833   | 0.22%  | 0.005% |
|        |        |        |        |    |        |          |        |        |
| 156    | 11.022 | 11.000 | 11.042 | HH | 16910  | 311277   | 0.62%  | 0.015% |
| 157    | 11.065 | 11.042 | 11.119 | HH | 65120  | 1119283  | 2.22%  | 0.055% |
| 158    | 11.134 | 11.119 | 11.147 | HH | 9726   | 157633   | 0.31%  | 0.008% |
| 159    | 11.172 | 11.147 | 11.186 | HH | 11785  | 253797   | 0.50%  | 0.012% |
| 160    | 11.214 | 11.186 | 11.233 | HH | 22313  | 447028   | 0.89%  | 0.022% |
|        |        |        |        |    |        |          |        |        |
| 161    | 11.241 | 11.233 | 11.255 | HH | 14440  | 183730   | 0.37%  | 0.009% |
| 162    | 11.298 | 11.255 | 11.331 | HH | 27743  | 788380   | 1.57%  | 0.039% |
| 163    | 11.369 | 11.331 | 11.393 | HH | 15675  | 452711   | 0.90%  | 0.022% |
| 164    | 11.420 | 11.393 | 11.445 | HH | 15839  | 399112   | 0.79%  | 0.020% |
| 165    | 11.482 | 11.445 | 11.515 | HH | 15672  | 549270   | 1.09%  | 0.027% |
|        |        |        |        |    |        |          |        |        |
| 166    | 11.529 | 11.515 | 11.544 | HH | 13104  | 213912   | 0.43%  | 0.010% |
| 167    | 11.572 | 11.544 | 11.587 | HH | 64616  | 928325   | 1.84%  | 0.046% |
| 168    | 11.604 | 11.587 | 11.638 | HH | 82090  | 1277138  | 2.54%  | 0.063% |
| 169    | 11.687 | 11.638 | 11.707 | HH | 88517  | 1755714  | 3.49%  | 0.086% |
| 170    | 11.721 | 11.707 | 11.735 | HH | 45068  | 585620   | 1.16%  | 0.029% |
|        |        |        |        |    |        |          |        |        |
| 171    | 11.751 | 11.735 | 11.788 | HH | 55067  | 970782   | 1.93%  | 0.048% |
| 172    | 11.808 | 11.788 | 11.821 | HH | 16322  | 294663   | 0.59%  | 0.014% |
| 173    | 11.844 | 11.821 | 11.863 | HH | 21103  | 451182   | 0.90%  | 0.022% |
| 174    | 11.889 | 11.863 | 11.919 | HH | 26331  | 695291   | 1.38%  | 0.034% |
| 175    | 11.942 | 11.919 | 12.019 | HH | 59254  | 1574195  | 3.13%  | 0.077% |
|        |        |        |        |    |        |          |        |        |
| 176    | 12.044 | 12.019 | 12.089 | HH | 48598  | 1102888  | 2.19%  | 0.054% |
| 177    | 12.107 | 12.089 | 12.119 | HH | 20233  | 337248   | 0.67%  | 0.017% |
| 178    | 12.162 | 12.119 | 12.212 | HH | 225242 | 4134546  | 8.22%  | 0.203% |
| 179    | 12.248 | 12.212 | 12.265 | HH | 22135  | 640992   | 1.27%  | 0.031% |
| 180    | 12.296 | 12.265 | 12.309 | HH | 25375  | 589427   | 1.17%  | 0.029% |
|        |        |        |        |    |        |          |        |        |
| 181    | 12.320 | 12.309 | 12.341 | HH | 25211  | 449279   | 0.89%  | 0.022% |
| 182    | 12.366 | 12.341 | 12.406 | HH | 31892  | 979579   | 1.95%  | 0.048% |
| 183    | 12.437 | 12.406 | 12.457 | HH | 40007  | 916976   | 1.82%  | 0.045% |
| 184    | 12.476 | 12.457 | 12.498 | HH | 49253  | 901900   | 1.79%  | 0.044% |
| 185    | 12.530 | 12.498 | 12.564 | HH | 42596  | 1398528  | 2.78%  | 0.069% |
|        |        |        |        |    |        |          |        |        |
| 186    | 12.603 | 12.564 | 12.642 | HH | 773728 | 10318890 | 20.51% | 0.506% |
| 187    | 12.663 | 12.642 | 12.710 | HH | 31694  | 1092790  | 2.17%  | 0.054% |
| 188    | 12.730 | 12.710 | 12.738 | HH | 30285  | 471218   | 0.94%  | 0.023% |
| 189    | 12.778 | 12.738 | 12.797 | HH | 57560  | 1427160  | 2.84%  | 0.070% |
| 190    | 12.813 | 12.797 | 12.864 | HH | 42564  | 1375440  | 2.73%  | 0.068% |
|        |        |        |        |    |        |          |        |        |
| 191    | 12.900 | 12.864 | 12.926 | HH | 602428 | 7909608  | 15.72% | 0.388% |
| 192    | 12.951 | 12.926 | 12.968 | HH | 125839 | 2040364  | 4.05%  | 0.100% |
| 193    | 12.981 | 12.968 | 13.003 | HH | 99399  | 1523211  | 3.03%  | 0.075% |
| 194    | 13.018 | 13.003 | 13.042 | HH | 54967  | 1022685  | 2.03%  | 0.050% |

| rteres |        |        |        |    |        |          |        |        |
|--------|--------|--------|--------|----|--------|----------|--------|--------|
| 195    | 13.067 | 13.042 | 13.081 | HH | 54168  | 1026984  | 2.04%  | 0.050% |
| 196    | 13.101 | 13.081 | 13.125 | HH | 65142  | 1315837  | 2.61%  | 0.065% |
| 197    | 13.162 | 13.125 | 13.187 | HH | 76461  | 1940461  | 3.86%  | 0.095% |
| 198    | 13.242 | 13.187 | 13.268 | HH | 54826  | 2276349  | 4.52%  | 0.112% |
| 199    | 13.291 | 13.268 | 13.306 | HH | 57465  | 1085881  | 2.16%  | 0.053% |
| 200    | 13.315 | 13.306 | 13.330 | HH | 50221  | 717394   | 1.43%  | 0.035% |
| 201    | 13.356 | 13.330 | 13.364 | HH | 75399  | 1291828  | 2.57%  | 0.063% |
| 202    | 13.381 | 13.364 | 13.424 | HH | 103538 | 2328328  | 4.63%  | 0.114% |
| 203    | 13.486 | 13.424 | 13.521 | HH | 152011 | 4306502  | 8.56%  | 0.211% |
| 204    | 13.551 | 13.521 | 13.566 | HH | 58255  | 1486827  | 2.95%  | 0.073% |
| 205    | 13.593 | 13.566 | 13.615 | HH | 119236 | 2438438  | 4.85%  | 0.120% |
| 206    | 13.633 | 13.615 | 13.652 | HH | 89892  | 1676617  | 3.33%  | 0.082% |
| 207    | 13.672 | 13.652 | 13.700 | HH | 84694  | 2048174  | 4.07%  | 0.101% |
| 208    | 13.734 | 13.700 | 13.745 | HH | 88193  | 2111095  | 4.20%  | 0.104% |
| 209    | 13.760 | 13.745 | 13.784 | HH | 94904  | 1925587  | 3.83%  | 0.094% |
| 210    | 13.804 | 13.784 | 13.847 | HH | 88246  | 2748612  | 5.46%  | 0.135% |
| 211    | 13.881 | 13.847 | 13.901 | HH | 78331  | 2288781  | 4.55%  | 0.112% |
| 212    | 13.927 | 13.901 | 13.943 | HH | 68965  | 1702954  | 3.38%  | 0.084% |
| 213    | 13.962 | 13.943 | 13.982 | HH | 70600  | 1616254  | 3.21%  | 0.079% |
| 214    | 14.029 | 13.982 | 14.045 | HH | 70625  | 2625140  | 5.22%  | 0.129% |
| 215    | 14.071 | 14.045 | 14.107 | HH | 73282  | 2621174  | 5.21%  | 0.129% |
| 216    | 14.135 | 14.107 | 14.157 | HH | 84270  | 2307455  | 4.59%  | 0.113% |
| 217    | 14.193 | 14.157 | 14.208 | HH | 90043  | 2582704  | 5.13%  | 0.127% |
| 218    | 14.230 | 14.208 | 14.270 | HH | 112308 | 3372196  | 6.70%  | 0.165% |
| 219    | 14.300 | 14.270 | 14.319 | HH | 100806 | 2624621  | 5.22%  | 0.129% |
| 220    | 14.327 | 14.319 | 14.337 | HH | 90939  | 962955   | 1.91%  | 0.047% |
| 221    | 14.360 | 14.337 | 14.380 | HH | 135039 | 2806104  | 5.58%  | 0.138% |
| 222    | 14.402 | 14.380 | 14.441 | HH | 138411 | 3895727  | 7.74%  | 0.191% |
| 223    | 14.466 | 14.441 | 14.492 | HH | 153874 | 3647861  | 7.25%  | 0.179% |
| 224    | 14.538 | 14.492 | 14.569 | HH | 134707 | 5062431  | 10.06% | 0.248% |
| 225    | 14.588 | 14.569 | 14.601 | HH | 95819  | 1780065  | 3.54%  | 0.087% |
| 226    | 14.638 | 14.601 | 14.681 | HH | 479842 | 9955885  | 19.78% | 0.489% |
| 227    | 14.697 | 14.681 | 14.714 | HH | 95461  | 1822637  | 3.62%  | 0.089% |
| 228    | 14.740 | 14.714 | 14.753 | HH | 112937 | 2423586  | 4.82%  | 0.119% |
| 229    | 14.787 | 14.753 | 14.808 | HH | 404848 | 7604473  | 15.11% | 0.373% |
| 230    | 14.830 | 14.808 | 14.860 | HH | 421892 | 7239126  | 14.39% | 0.355% |
| 231    | 14.879 | 14.860 | 14.900 | HH | 108585 | 2487224  | 4.94%  | 0.122% |
| 232    | 14.945 | 14.900 | 15.000 | HH | 181222 | 7592709  | 15.09% | 0.373% |
| 233    | 15.035 | 15.000 | 15.063 | HH | 134410 | 4477011  | 8.90%  | 0.220% |
| 234    | 15.093 | 15.063 | 15.113 | HH | 147876 | 3863050  | 7.68%  | 0.190% |
| 235    | 15.130 | 15.113 | 15.163 | HH | 132511 | 3788264  | 7.53%  | 0.186% |
| 236    | 15.187 | 15.163 | 15.197 | HH | 125677 | 2513180  | 4.99%  | 0.123% |
| 237    | 15.227 | 15.197 | 15.311 | HH | 362324 | 12332637 | 24.51% | 0.605% |
| 238    | 15.361 | 15.311 | 15.393 | HH | 156616 | 6673482  | 13.26% | 0.328% |
| 239    | 15.460 | 15.393 | 15.481 | HH | 190063 | 7958114  | 15.81% | 0.391% |
| 240    | 15.497 | 15.481 | 15.527 | HH | 160490 | 3985044  | 7.92%  | 0.196% |
| 241    | 15.545 | 15.527 | 15.560 | HH | 147540 | 2791850  | 5.55%  | 0.137% |
| 242    | 15.620 | 15.560 | 15.668 | HH | 175199 | 9929308  | 19.73% | 0.487% |
| 243    | 15.695 | 15.668 | 15.721 | HH | 157506 | 4671067  | 9.28%  | 0.229% |
| 244    | 15.747 | 15.721 | 15.768 | HH | 153871 | 4204834  | 8.36%  | 0.206% |
| 245    | 15.784 | 15.768 | 15.804 | HH | 156954 | 3287947  | 6.53%  | 0.161% |
| 246    | 15.865 | 15.804 | 15.951 | HH | 202543 | 14836471 | 29.48% | 0.728% |

| rteres |        |        |        |    |        |          |        |        |
|--------|--------|--------|--------|----|--------|----------|--------|--------|
| 247    | 15.966 | 15.951 | 15.979 | HH | 166235 | 2673948  | 5.31%  | 0.131% |
| 248    | 15.999 | 15.979 | 16.011 | HH | 169260 | 3246603  | 6.45%  | 0.159% |
| 249    | 16.060 | 16.011 | 16.082 | HH | 189129 | 7437703  | 14.78% | 0.365% |
| 250    | 16.099 | 16.082 | 16.115 | HH | 185607 | 3617980  | 7.19%  | 0.178% |
|        |        |        |        |    |        |          |        |        |
| 251    | 16.145 | 16.115 | 16.158 | HH | 205954 | 5016415  | 9.97%  | 0.246% |
| 252    | 16.168 | 16.158 | 16.191 | HH | 205856 | 4040657  | 8.03%  | 0.198% |
| 253    | 16.206 | 16.191 | 16.219 | HH | 198654 | 3326554  | 6.61%  | 0.163% |
| 254    | 16.257 | 16.219 | 16.288 | HH | 233452 | 8915790  | 17.72% | 0.438% |
| 255    | 16.361 | 16.288 | 16.415 | HH | 513957 | 22734200 | 45.18% | 1.116% |
|        |        |        |        |    |        |          |        |        |
| 256    | 16.489 | 16.415 | 16.531 | HH | 295661 | 16890578 | 33.57% | 0.829% |
| 257    | 16.565 | 16.531 | 16.590 | HH | 242641 | 8425110  | 16.74% | 0.413% |
| 258    | 16.614 | 16.590 | 16.624 | HH | 246447 | 4812277  | 9.56%  | 0.236% |
| 259    | 16.686 | 16.624 | 16.713 | HH | 424420 | 16030033 | 31.86% | 0.787% |
| 260    | 16.746 | 16.713 | 16.778 | HH | 485836 | 13264856 | 26.36% | 0.651% |
|        |        |        |        |    |        |          |        |        |
| 261    | 16.841 | 16.778 | 16.875 | HH | 357208 | 17617956 | 35.01% | 0.865% |
| 262    | 16.896 | 16.875 | 16.935 | HH | 295732 | 10342710 | 20.55% | 0.508% |
| 263    | 16.946 | 16.935 | 16.951 | HH | 287582 | 2811332  | 5.59%  | 0.138% |
| 264    | 16.998 | 16.951 | 17.022 | HH | 313660 | 12732855 | 25.30% | 0.625% |
| 265    | 17.057 | 17.022 | 17.081 | HH | 313314 | 10970992 | 21.80% | 0.538% |
|        |        |        |        |    |        |          |        |        |
| 266    | 17.134 | 17.081 | 17.181 | HH | 339638 | 19578799 | 38.91% | 0.961% |
| 267    | 17.204 | 17.181 | 17.221 | HH | 342969 | 7981995  | 15.86% | 0.392% |
| 268    | 17.274 | 17.221 | 17.298 | HH | 391853 | 16112576 | 32.02% | 0.791% |
| 269    | 17.337 | 17.298 | 17.355 | HH | 348274 | 11449022 | 22.75% | 0.562% |
| 270    | 17.382 | 17.355 | 17.397 | HH | 353849 | 8700743  | 17.29% | 0.427% |
|        |        |        |        |    |        |          |        |        |
| 271    | 17.409 | 17.397 | 17.426 | HH | 356629 | 6198442  | 12.32% | 0.304% |
| 272    | 17.448 | 17.426 | 17.487 | HH | 365291 | 13039261 | 25.91% | 0.640% |
| 273    | 17.501 | 17.487 | 17.511 | HH | 354550 | 5024203  | 9.98%  | 0.247% |
| 274    | 17.532 | 17.511 | 17.545 | HH | 362345 | 7307448  | 14.52% | 0.359% |
| 275    | 17.555 | 17.545 | 17.578 | HH | 367265 | 7258526  | 14.42% | 0.356% |
|        |        |        |        |    |        |          |        |        |
| 276    | 17.606 | 17.578 | 17.638 | HH | 379329 | 13355297 | 26.54% | 0.655% |
| 277    | 17.714 | 17.638 | 17.739 | HH | 463959 | 24801013 | 49.29% | 1.217% |
| 278    | 17.755 | 17.739 | 17.775 | HH | 409486 | 8455342  | 16.80% | 0.415% |
| 279    | 17.858 | 17.775 | 17.868 | HH | 425732 | 22510765 | 44.73% | 1.105% |
| 280    | 17.874 | 17.868 | 17.890 | HH | 419113 | 5568141  | 11.07% | 0.273% |
|        |        |        |        |    |        |          |        |        |
| 281    | 17.911 | 17.890 | 17.930 | HH | 430425 | 10019165 | 19.91% | 0.492% |
| 282    | 17.943 | 17.930 | 17.997 | HH | 418752 | 16453880 | 32.70% | 0.807% |
| 283    | 18.039 | 17.997 | 18.057 | HH | 471512 | 15878034 | 31.55% | 0.779% |
| 284    | 18.082 | 18.057 | 18.108 | HH | 528295 | 14874340 | 29.56% | 0.730% |
| 285    | 18.138 | 18.108 | 18.211 | HH | 610905 | 30992535 | 61.59% | 1.521% |
|        |        |        |        |    |        |          |        |        |
| 286    | 18.221 | 18.211 | 18.238 | HH | 472223 | 7511387  | 14.93% | 0.369% |
| 287    | 18.262 | 18.238 | 18.288 | HH | 492208 | 14228642 | 28.28% | 0.698% |
| 288    | 18.312 | 18.288 | 18.365 | HH | 487432 | 22064043 | 43.85% | 1.083% |
| 289    | 18.396 | 18.365 | 18.438 | HH | 579693 | 22685245 | 45.08% | 1.113% |
| 290    | 18.474 | 18.438 | 18.486 | HH | 489890 | 13797064 | 27.42% | 0.677% |
|        |        |        |        |    |        |          |        |        |
| 291    | 18.542 | 18.486 | 18.587 | HH | 575093 | 31595541 | 62.79% | 1.551% |
| 292    | 18.649 | 18.587 | 18.668 | HH | 533372 | 24822703 | 49.33% | 1.218% |
| 293    | 18.713 | 18.668 | 18.744 | HH | 537724 | 23814489 | 47.33% | 1.169% |
| 294    | 18.762 | 18.744 | 18.781 | HH | 532870 | 11884190 | 23.62% | 0.583% |
| 295    | 18.799 | 18.781 | 18.811 | HH | 534146 | 9594000  | 19.07% | 0.471% |
|        |        |        |        |    |        |          |        |        |
| 296    | 18.834 | 18.811 | 18.857 | HH | 563805 | 15007689 | 29.82% | 0.737% |
| 297    | 18.869 | 18.857 | 18.878 | HH | 541125 | 6735154  | 13.38% | 0.331% |
| 298    | 18.915 | 18.878 | 18.964 | HH | 619122 | 29968318 | 59.55% | 1.471% |
| 299    | 18.979 | 18.964 | 19.005 | HH | 582453 | 14039367 | 27.90% | 0.689% |

|     |        |        |        |     |                         |            |         |        |
|-----|--------|--------|--------|-----|-------------------------|------------|---------|--------|
|     |        |        |        |     |                         | rteres     |         |        |
| 300 | 19.026 | 19.005 | 19.035 | HH  | 577569                  | 10218314   | 20.31%  | 0.501% |
| 301 | 19.097 | 19.035 | 19.111 | HH  | 594543                  | 26438049   | 52.54%  | 1.297% |
| 302 | 19.128 | 19.111 | 19.154 | HH  | 588607                  | 15124807   | 30.06%  | 0.742% |
| 303 | 19.176 | 19.154 | 19.188 | HH  | 592870                  | 11914782   | 23.68%  | 0.585% |
| 304 | 19.203 | 19.188 | 19.225 | HH  | 590343                  | 13145318   | 26.12%  | 0.645% |
| 305 | 19.271 | 19.225 | 19.286 | HH  | 597582                  | 21453218   | 42.63%  | 1.053% |
| 306 | 19.347 | 19.286 | 19.391 | HH  | 613151                  | 37631922   | 74.78%  | 1.847% |
| 307 | 19.412 | 19.391 | 19.428 | HH  | 629096                  | 13812552   | 27.45%  | 0.678% |
| 308 | 19.442 | 19.428 | 19.466 | HH  | 623687                  | 14124471   | 28.07%  | 0.693% |
| 309 | 19.476 | 19.466 | 19.491 | HH  | 625878                  | 9117016    | 18.12%  | 0.447% |
| 310 | 19.527 | 19.491 | 19.539 | HH  | 651048                  | 18448946   | 36.66%  | 0.905% |
| 311 | 19.568 | 19.539 | 19.614 | HH  | 666644                  | 29603732   | 58.83%  | 1.453% |
| 312 | 19.638 | 19.614 | 19.661 | HH  | 682141                  | 18986889   | 37.73%  | 0.932% |
| 313 | 19.705 | 19.661 | 19.745 | HH  | 731105                  | 34774115   | 69.10%  | 1.707% |
| 314 | 19.760 | 19.745 | 19.781 | HH  | 675086                  | 14505120   | 28.83%  | 0.712% |
| 315 | 19.795 | 19.781 | 19.814 | HH  | 685190                  | 13293422   | 26.42%  | 0.652% |
| 316 | 19.848 | 19.814 | 19.876 | HH  | 707342                  | 25803283   | 51.28%  | 1.266% |
| 317 | 19.881 | 19.876 | 19.896 | HH  | 702408                  | 8023581    | 15.94%  | 0.394% |
| 318 | 19.950 | 19.896 | 20.009 | HH  | 763399                  | 49236126   | 97.84%  | 2.416% |
| 319 | 20.028 | 20.009 | 20.047 | HH  | 748433                  | 16970451   | 33.72%  | 0.833% |
| 320 | 20.057 | 20.047 | 20.106 | HH  | 733038                  | 25535416   | 50.75%  | 1.253% |
| 321 | 20.156 | 20.106 | 20.185 | HH  | 754422                  | 35111546   | 69.78%  | 1.723% |
| 322 | 20.217 | 20.185 | 20.231 | HH  | 763186                  | 21151929   | 42.03%  | 1.038% |
| 323 | 20.248 | 20.231 | 20.305 | HH  | 763472                  | 32938007   | 65.46%  | 1.616% |
| 324 | 20.326 | 20.305 | 20.338 | HH  | 751933                  | 14864981   | 29.54%  | 0.730% |
| 325 | 20.405 | 20.338 | 20.421 | HH  | 762502                  | 37415326   | 74.35%  | 1.836% |
| 326 | 20.435 | 20.421 | 20.511 | HH  | 767569                  | 40007646   | 79.51%  | 1.963% |
| 327 | 20.546 | 20.511 | 20.568 | HH  | 727989                  | 24634994   | 48.96%  | 1.209% |
| 328 | 20.579 | 20.568 | 20.663 | HH  | 742749                  | 41197733   | 81.87%  | 2.022% |
| 329 | 20.680 | 20.663 | 20.725 | HH  | 718122                  | 26353419   | 52.37%  | 1.293% |
| 330 | 20.732 | 20.725 | 20.775 | HH  | 703976                  | 20884239   | 41.50%  | 1.025% |
| 331 | 20.785 | 20.775 | 20.794 | HH  | 680313                  | 7698382    | 15.30%  | 0.378% |
| 332 | 20.827 | 20.794 | 20.843 | HH  | 690732                  | 20432748   | 40.61%  | 1.003% |
| 333 | 20.867 | 20.843 | 20.885 | HH  | 691799                  | 17012495   | 33.81%  | 0.835% |
| 334 | 20.907 | 20.885 | 20.937 | HH  | 701528                  | 21599183   | 42.92%  | 1.060% |
| 335 | 20.960 | 20.937 | 21.008 | HH  | 707156                  | 29485564   | 58.60%  | 1.447% |
| 336 | 21.021 | 21.008 | 21.137 | HH  | 673613                  | 50320718   | 100.00% | 2.470% |
| 337 | 21.199 | 21.137 | 21.211 | HH  | 660208                  | 28532027   | 56.70%  | 1.400% |
| 338 | 21.232 | 21.211 | 21.241 | HH  | 664308                  | 12212548   | 24.27%  | 0.599% |
| 339 | 21.253 | 21.241 | 21.263 | HH  | 661625                  | 8607357    | 17.10%  | 0.422% |
| 340 | 21.286 | 21.263 | 21.340 | HH  | 667346                  | 29825275   | 59.27%  | 1.464% |
| 341 | 21.352 | 21.340 | 21.401 | HH  | 637848                  | 22933372   | 45.57%  | 1.125% |
| 342 | 21.407 | 21.401 | 21.472 | HH  | 614077                  | 25534620   | 50.74%  | 1.253% |
| 343 | 21.501 | 21.472 | 21.531 | HH  | 609739                  | 21446130   | 42.62%  | 1.052% |
| 344 | 21.550 | 21.531 | 21.574 | HH  | 606906                  | 15469695   | 30.74%  | 0.759% |
| 345 | 21.594 | 21.574 | 21.631 | HH  | 604406                  | 20518365   | 40.78%  | 1.007% |
| 346 | 21.646 | 21.631 | 21.751 | HHA | 604939                  | 42559282   | 84.58%  | 2.089% |
|     |        |        |        |     | Sum of corrected areas: | 2037676898 |         |        |