

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE012420\  
 Data File : FE031220.D  
 Signal(s) : FID1B.CH  
 Acq On : 24 Jan 2020 21:15  
 Sample : L1244-02 10X  
 Misc :  
 ALS Vial : 12 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         | 4.724       | 4.655        | 4.740      | BH       | 39             | -1929        | -0.01%         | -0.000%       |
| 2         | 4.757       | 4.740        | 4.788      | PH       | 254            | 1275         | 0.01%          | 0.000%        |
| 3         | 4.817       | 4.788        | 4.843      | PH       | 172            | -616         | -0.00%         | -0.000%       |
| 4         | 4.852       | 4.843        | 4.870      | PH       | -163           | -2980        | -0.02%         | -0.001%       |
| 5         | 4.880       | 4.870        | 4.922      | PH       | -164           | -5639        | -0.04%         | -0.001%       |
| 6         | 4.955       | 4.922        | 4.974      | PH       | 34             | -2781        | -0.02%         | -0.001%       |
| 7         | 4.988       | 4.974        | 5.006      | PH       | 114            | -276         | -0.00%         | -0.000%       |
| 8         | 5.027       | 5.006        | 5.049      | PH       | 142            | -384         | -0.00%         | -0.000%       |
| 9         | 5.063       | 5.049        | 5.072      | PH       | 180            | 783          | 0.01%          | 0.000%        |
| 10        | 5.087       | 5.072        | 5.126      | HH       | 241            | 1032         | 0.01%          | 0.000%        |
| 11        | 5.179       | 5.126        | 5.193      | PH       | 142            | -247         | -0.00%         | -0.000%       |
| 12        | 5.212       | 5.193        | 5.253      | PH       | 308            | 5531         | 0.04%          | 0.001%        |
| 13        | 5.270       | 5.253        | 5.286      | HH       | 427            | 3987         | 0.03%          | 0.001%        |
| 14        | 5.299       | 5.286        | 5.315      | HH       | 160            | 1555         | 0.01%          | 0.000%        |
| 15        | 5.332       | 5.315        | 5.365      | HH       | 502            | 6702         | 0.05%          | 0.001%        |
| 16        | 5.383       | 5.365        | 5.435      | HH       | 1197           | 22316        | 0.17%          | 0.005%        |
| 17        | 5.450       | 5.435        | 5.484      | HH       | 246            | 4347         | 0.03%          | 0.001%        |
| 18        | 5.501       | 5.484        | 5.517      | HH       | 161            | 1736         | 0.01%          | 0.000%        |
| 19        | 5.562       | 5.517        | 5.593      | HH       | 768            | 13703        | 0.10%          | 0.003%        |
| 20        | 5.637       | 5.593        | 5.647      | HH       | 153            | 3747         | 0.03%          | 0.001%        |
| 21        | 5.667       | 5.647        | 5.696      | HH       | 509            | 10443        | 0.08%          | 0.002%        |
| 22        | 5.718       | 5.696        | 5.810      | HH       | 431            | 18480        | 0.14%          | 0.004%        |
| 23        | 5.834       | 5.810        | 5.855      | HH       | 487            | 8222         | 0.06%          | 0.002%        |
| 24        | 5.888       | 5.855        | 5.910      | HH       | 513            | 12477        | 0.09%          | 0.003%        |
| 25        | 5.943       | 5.910        | 5.959      | HH       | 681            | 14741        | 0.11%          | 0.003%        |
| 26        | 5.974       | 5.959        | 6.003      | HH       | 703            | 15334        | 0.11%          | 0.003%        |
| 27        | 6.022       | 6.003        | 6.041      | HH       | 704            | 12770        | 0.09%          | 0.003%        |
| 28        | 6.076       | 6.041        | 6.131      | HH       | 1046           | 33238        | 0.25%          | 0.007%        |
| 29        | 6.167       | 6.131        | 6.184      | HH       | 669            | 18670        | 0.14%          | 0.004%        |
| 30        | 6.198       | 6.184        | 6.215      | HH       | 662            | 10258        | 0.08%          | 0.002%        |
| 31        | 6.237       | 6.215        | 6.258      | HH       | 778            | 17040        | 0.13%          | 0.004%        |
| 32        | 6.286       | 6.258        | 6.298      | HH       | 845            | 18242        | 0.14%          | 0.004%        |
| 33        | 6.316       | 6.298        | 6.347      | HH       | 955            | 24628        | 0.18%          | 0.005%        |
| 34        | 6.374       | 6.347        | 6.459      | HH       | 1119           | 59558        | 0.44%          | 0.012%        |
| 35        | 6.509       | 6.459        | 6.530      | HH       | 1512           | 39957        | 0.30%          | 0.008%        |
| 36        | 6.546       | 6.530        | 6.569      | HH       | 1241           | 22313        | 0.17%          | 0.005%        |

|    |       |       |       |    | rteres |        |       |        |
|----|-------|-------|-------|----|--------|--------|-------|--------|
| 37 | 6.641 | 6.569 | 6.655 | HH | 834    | 35368  | 0.26% | 0.007% |
| 38 | 6.681 | 6.655 | 6.703 | HH | 895    | 21864  | 0.16% | 0.005% |
| 39 | 6.721 | 6.703 | 6.730 | HH | 834    | 12222  | 0.09% | 0.003% |
| 40 | 6.758 | 6.730 | 6.790 | HH | 1049   | 30331  | 0.23% | 0.006% |
| 41 | 6.816 | 6.790 | 6.833 | HH | 982    | 22229  | 0.17% | 0.005% |
| 42 | 6.856 | 6.833 | 6.868 | HH | 1146   | 20393  | 0.15% | 0.004% |
| 43 | 6.880 | 6.868 | 6.900 | HH | 1219   | 20630  | 0.15% | 0.004% |
| 44 | 6.920 | 6.900 | 6.947 | HH | 1333   | 30963  | 0.23% | 0.006% |
| 45 | 6.990 | 6.947 | 7.038 | HH | 1603   | 72017  | 0.53% | 0.015% |
| 46 | 7.062 | 7.038 | 7.101 | HH | 2494   | 62573  | 0.46% | 0.013% |
| 47 | 7.124 | 7.101 | 7.144 | HH | 1450   | 34494  | 0.26% | 0.007% |
| 48 | 7.161 | 7.144 | 7.176 | HH | 1596   | 28262  | 0.21% | 0.006% |
| 49 | 7.189 | 7.176 | 7.215 | HH | 1485   | 33092  | 0.25% | 0.007% |
| 50 | 7.235 | 7.215 | 7.252 | HH | 1504   | 32423  | 0.24% | 0.007% |
| 51 | 7.287 | 7.252 | 7.338 | HH | 2438   | 87249  | 0.65% | 0.018% |
| 52 | 7.348 | 7.338 | 7.355 | HH | 1495   | 14183  | 0.11% | 0.003% |
| 53 | 7.368 | 7.355 | 7.393 | HH | 1446   | 30982  | 0.23% | 0.006% |
| 54 | 7.413 | 7.393 | 7.435 | HH | 1385   | 32018  | 0.24% | 0.007% |
| 55 | 7.458 | 7.435 | 7.489 | HH | 1887   | 48762  | 0.36% | 0.010% |
| 56 | 7.503 | 7.489 | 7.527 | HH | 1363   | 29843  | 0.22% | 0.006% |
| 57 | 7.569 | 7.527 | 7.602 | HH | 1656   | 62235  | 0.46% | 0.013% |
| 58 | 7.615 | 7.602 | 7.638 | HH | 1533   | 31769  | 0.24% | 0.007% |
| 59 | 7.657 | 7.638 | 7.674 | HH | 1447   | 29847  | 0.22% | 0.006% |
| 60 | 7.714 | 7.674 | 7.725 | HH | 1885   | 48897  | 0.36% | 0.010% |
| 61 | 7.756 | 7.725 | 7.781 | HH | 2014   | 61563  | 0.46% | 0.013% |
| 62 | 7.808 | 7.781 | 7.824 | HH | 1774   | 42947  | 0.32% | 0.009% |
| 63 | 7.851 | 7.824 | 7.866 | HH | 2072   | 47440  | 0.35% | 0.010% |
| 64 | 7.889 | 7.866 | 7.933 | HH | 3025   | 89355  | 0.66% | 0.019% |
| 65 | 7.975 | 7.933 | 8.009 | HH | 3187   | 102925 | 0.76% | 0.021% |
| 66 | 8.028 | 8.009 | 8.048 | HH | 2510   | 52076  | 0.39% | 0.011% |
| 67 | 8.084 | 8.048 | 8.105 | HH | 2826   | 87778  | 0.65% | 0.018% |
| 68 | 8.156 | 8.105 | 8.188 | HH | 4249   | 150910 | 1.12% | 0.031% |
| 69 | 8.220 | 8.188 | 8.249 | HH | 6667   | 156676 | 1.16% | 0.033% |
| 70 | 8.267 | 8.249 | 8.292 | HH | 4598   | 105578 | 0.78% | 0.022% |
| 71 | 8.310 | 8.292 | 8.351 | HH | 4848   | 129619 | 0.96% | 0.027% |
| 72 | 8.368 | 8.351 | 8.385 | HH | 3017   | 57380  | 0.43% | 0.012% |
| 73 | 8.406 | 8.385 | 8.467 | HH | 2909   | 131900 | 0.98% | 0.027% |
| 74 | 8.562 | 8.467 | 8.591 | HH | 4176   | 229826 | 1.71% | 0.048% |
| 75 | 8.608 | 8.591 | 8.631 | HH | 4535   | 91501  | 0.68% | 0.019% |
| 76 | 8.647 | 8.631 | 8.657 | HH | 3599   | 52291  | 0.39% | 0.011% |
| 77 | 8.692 | 8.657 | 8.730 | HH | 4929   | 169541 | 1.26% | 0.035% |
| 78 | 8.763 | 8.730 | 8.785 | HH | 3712   | 108002 | 0.80% | 0.022% |
| 79 | 8.804 | 8.785 | 8.825 | HH | 3495   | 78726  | 0.58% | 0.016% |
| 80 | 8.842 | 8.825 | 8.861 | HH | 3518   | 74126  | 0.55% | 0.015% |
| 81 | 8.896 | 8.861 | 8.930 | HH | 4200   | 155694 | 1.16% | 0.032% |
| 82 | 8.940 | 8.930 | 8.956 | HH | 3668   | 55061  | 0.41% | 0.011% |
| 83 | 8.979 | 8.956 | 9.043 | HH | 5386   | 214446 | 1.59% | 0.045% |
| 84 | 9.061 | 9.043 | 9.088 | HH | 3724   | 93770  | 0.70% | 0.019% |
| 85 | 9.126 | 9.088 | 9.157 | HH | 3621   | 141753 | 1.05% | 0.029% |
| 86 | 9.177 | 9.157 | 9.195 | HH | 3684   | 79552  | 0.59% | 0.017% |
| 87 | 9.212 | 9.195 | 9.242 | HH | 3637   | 100511 | 0.75% | 0.021% |
| 88 | 9.277 | 9.242 | 9.298 | HH | 4041   | 127208 | 0.94% | 0.026% |
| 89 | 9.363 | 9.298 | 9.395 | HH | 5683   | 259821 | 1.93% | 0.054% |

|     |        |        |        |    | rteres |         |        |        |
|-----|--------|--------|--------|----|--------|---------|--------|--------|
| 90  | 9.428  | 9.395  | 9.461  | HH | 5062   | 182693  | 1.36%  | 0.038% |
| 91  | 9.511  | 9.461  | 9.570  | HH | 4590   | 286815  | 2.13%  | 0.060% |
| 92  | 9.589  | 9.570  | 9.614  | HH | 4621   | 112893  | 0.84%  | 0.023% |
| 93  | 9.624  | 9.614  | 9.648  | HH | 4241   | 86317   | 0.64%  | 0.018% |
| 94  | 9.681  | 9.648  | 9.691  | HH | 4932   | 116839  | 0.87%  | 0.024% |
| 95  | 9.707  | 9.691  | 9.735  | HH | 5040   | 128403  | 0.95%  | 0.027% |
| 96  | 9.759  | 9.735  | 9.841  | HH | 7021   | 328725  | 2.44%  | 0.068% |
| 97  | 9.862  | 9.841  | 9.892  | HH | 4933   | 142565  | 1.06%  | 0.030% |
| 98  | 9.919  | 9.892  | 10.011 | HH | 5489   | 347009  | 2.58%  | 0.072% |
| 99  | 10.031 | 10.011 | 10.052 | HH | 4793   | 114082  | 0.85%  | 0.024% |
| 100 | 10.100 | 10.052 | 10.120 | HH | 5297   | 205360  | 1.52%  | 0.043% |
| 101 | 10.147 | 10.120 | 10.171 | HH | 6745   | 177894  | 1.32%  | 0.037% |
| 102 | 10.194 | 10.171 | 10.208 | HH | 5744   | 124881  | 0.93%  | 0.026% |
| 103 | 10.237 | 10.208 | 10.257 | HH | 6046   | 169365  | 1.26%  | 0.035% |
| 104 | 10.288 | 10.257 | 10.321 | HH | 6396   | 222224  | 1.65%  | 0.046% |
| 105 | 10.348 | 10.321 | 10.371 | HH | 6390   | 180502  | 1.34%  | 0.037% |
| 106 | 10.419 | 10.371 | 10.445 | HH | 7372   | 295432  | 2.19%  | 0.061% |
| 107 | 10.497 | 10.445 | 10.531 | HH | 8818   | 379209  | 2.81%  | 0.079% |
| 108 | 10.567 | 10.531 | 10.647 | HH | 9920   | 531707  | 3.95%  | 0.110% |
| 109 | 10.665 | 10.647 | 10.688 | HH | 6876   | 162333  | 1.21%  | 0.034% |
| 110 | 10.719 | 10.688 | 10.730 | HH | 7380   | 175112  | 1.30%  | 0.036% |
| 111 | 10.759 | 10.730 | 10.812 | HH | 17622  | 589666  | 4.38%  | 0.122% |
| 112 | 10.836 | 10.812 | 10.941 | HH | 11594  | 699228  | 5.19%  | 0.145% |
| 113 | 10.967 | 10.941 | 10.988 | HH | 7390   | 202736  | 1.50%  | 0.042% |
| 114 | 11.005 | 10.988 | 11.028 | HH | 7189   | 169978  | 1.26%  | 0.035% |
| 115 | 11.067 | 11.028 | 11.103 | HH | 7930   | 338716  | 2.51%  | 0.070% |
| 116 | 11.151 | 11.103 | 11.171 | HH | 8453   | 330117  | 2.45%  | 0.069% |
| 117 | 11.201 | 11.171 | 11.254 | HH | 10403  | 426973  | 3.17%  | 0.089% |
| 118 | 11.290 | 11.254 | 11.331 | HH | 10794  | 411460  | 3.05%  | 0.085% |
| 119 | 11.353 | 11.331 | 11.378 | HH | 8725   | 235210  | 1.75%  | 0.049% |
| 120 | 11.395 | 11.378 | 11.436 | HH | 8694   | 293948  | 2.18%  | 0.061% |
| 121 | 11.470 | 11.436 | 11.530 | HH | 9373   | 503186  | 3.74%  | 0.104% |
| 122 | 11.562 | 11.530 | 11.576 | HH | 10906  | 270249  | 2.01%  | 0.056% |
| 123 | 11.592 | 11.576 | 11.626 | HH | 11832  | 315640  | 2.34%  | 0.066% |
| 124 | 11.672 | 11.626 | 11.691 | HH | 14177  | 455407  | 3.38%  | 0.095% |
| 125 | 11.704 | 11.691 | 11.722 | HH | 12239  | 212555  | 1.58%  | 0.044% |
| 126 | 11.738 | 11.722 | 11.783 | HH | 12187  | 401282  | 2.98%  | 0.083% |
| 127 | 11.808 | 11.783 | 11.828 | HH | 10493  | 265334  | 1.97%  | 0.055% |
| 128 | 11.872 | 11.828 | 11.924 | HH | 12807  | 623455  | 4.63%  | 0.129% |
| 129 | 11.971 | 11.924 | 12.013 | HH | 12257  | 590007  | 4.38%  | 0.122% |
| 130 | 12.036 | 12.013 | 12.077 | HH | 11789  | 427106  | 3.17%  | 0.089% |
| 131 | 12.125 | 12.077 | 12.211 | HH | 37893  | 1299127 | 9.64%  | 0.270% |
| 132 | 12.233 | 12.211 | 12.250 | HH | 12399  | 283070  | 2.10%  | 0.059% |
| 133 | 12.262 | 12.250 | 12.274 | HH | 11929  | 164869  | 1.22%  | 0.034% |
| 134 | 12.283 | 12.274 | 12.318 | HH | 11948  | 316306  | 2.35%  | 0.066% |
| 135 | 12.346 | 12.318 | 12.357 | HH | 12545  | 277215  | 2.06%  | 0.058% |
| 136 | 12.367 | 12.357 | 12.390 | HH | 12515  | 238713  | 1.77%  | 0.050% |
| 137 | 12.455 | 12.390 | 12.478 | HH | 15798  | 706953  | 5.25%  | 0.147% |
| 138 | 12.515 | 12.478 | 12.544 | HH | 16623  | 569672  | 4.23%  | 0.118% |
| 139 | 12.573 | 12.544 | 12.649 | HH | 53560  | 1424523 | 10.57% | 0.296% |
| 140 | 12.657 | 12.649 | 12.693 | HH | 13213  | 345594  | 2.57%  | 0.072% |
| 141 | 12.718 | 12.693 | 12.728 | HH | 13594  | 276047  | 2.05%  | 0.057% |

|     |        |        |        |    | rteres |         |        |        |
|-----|--------|--------|--------|----|--------|---------|--------|--------|
| 142 | 12.762 | 12.728 | 12.787 | HH | 15416  | 502422  | 3.73%  | 0.104% |
| 143 | 12.807 | 12.787 | 12.845 | HH | 14468  | 485384  | 3.60%  | 0.101% |
| 144 | 12.871 | 12.845 | 12.917 | HH | 48290  | 1129278 | 8.38%  | 0.234% |
| 145 | 12.929 | 12.917 | 12.947 | HH | 17313  | 294870  | 2.19%  | 0.061% |
|     |        |        |        |    |        |         |        |        |
| 146 | 12.966 | 12.947 | 13.033 | HH | 18080  | 831086  | 6.17%  | 0.172% |
| 147 | 13.052 | 13.033 | 13.068 | HH | 16167  | 323416  | 2.40%  | 0.067% |
| 148 | 13.082 | 13.068 | 13.105 | HH | 15576  | 340910  | 2.53%  | 0.071% |
| 149 | 13.149 | 13.105 | 13.177 | HH | 19122  | 767435  | 5.70%  | 0.159% |
| 150 | 13.199 | 13.177 | 13.251 | HH | 19642  | 797589  | 5.92%  | 0.166% |
|     |        |        |        |    |        |         |        |        |
| 151 | 13.286 | 13.251 | 13.310 | HH | 17098  | 584611  | 4.34%  | 0.121% |
| 152 | 13.358 | 13.310 | 13.420 | HH | 25799  | 1278779 | 9.49%  | 0.265% |
| 153 | 13.470 | 13.420 | 13.517 | HH | 22420  | 1135476 | 8.43%  | 0.236% |
| 154 | 13.530 | 13.517 | 13.548 | HH | 18844  | 342248  | 2.54%  | 0.071% |
| 155 | 13.576 | 13.548 | 13.594 | HH | 21177  | 545442  | 4.05%  | 0.113% |
|     |        |        |        |    |        |         |        |        |
| 156 | 13.617 | 13.594 | 13.637 | HH | 21262  | 530590  | 3.94%  | 0.110% |
| 157 | 13.655 | 13.637 | 13.684 | HH | 20859  | 571990  | 4.25%  | 0.119% |
| 158 | 13.715 | 13.684 | 13.728 | HH | 24180  | 576575  | 4.28%  | 0.120% |
| 159 | 13.740 | 13.728 | 13.766 | HH | 23590  | 513903  | 3.81%  | 0.107% |
| 160 | 13.782 | 13.766 | 13.803 | HH | 21651  | 461405  | 3.43%  | 0.096% |
|     |        |        |        |    |        |         |        |        |
| 161 | 13.813 | 13.803 | 13.833 | HH | 20746  | 364817  | 2.71%  | 0.076% |
| 162 | 13.866 | 13.833 | 13.886 | HH | 20936  | 657048  | 4.88%  | 0.136% |
| 163 | 13.922 | 13.886 | 13.935 | HH | 22039  | 611978  | 4.54%  | 0.127% |
| 164 | 13.946 | 13.935 | 13.969 | HH | 21737  | 440102  | 3.27%  | 0.091% |
| 165 | 13.987 | 13.969 | 13.997 | HH | 21432  | 350342  | 2.60%  | 0.073% |
|     |        |        |        |    |        |         |        |        |
| 166 | 14.014 | 13.997 | 14.048 | HH | 21775  | 660032  | 4.90%  | 0.137% |
| 167 | 14.127 | 14.048 | 14.138 | HH | 23335  | 1212482 | 9.00%  | 0.252% |
| 168 | 14.184 | 14.138 | 14.204 | HH | 31042  | 1046722 | 7.77%  | 0.217% |
| 169 | 14.217 | 14.204 | 14.255 | HH | 27614  | 764071  | 5.67%  | 0.159% |
| 170 | 14.278 | 14.255 | 14.299 | HH | 27056  | 678549  | 5.04%  | 0.141% |
|     |        |        |        |    |        |         |        |        |
| 171 | 14.334 | 14.299 | 14.355 | HH | 26200  | 866225  | 6.43%  | 0.180% |
| 172 | 14.387 | 14.355 | 14.413 | HH | 28231  | 925805  | 6.87%  | 0.192% |
| 173 | 14.444 | 14.413 | 14.472 | HH | 30055  | 985639  | 7.32%  | 0.205% |
| 174 | 14.527 | 14.472 | 14.548 | HH | 29119  | 1252017 | 9.29%  | 0.260% |
| 175 | 14.570 | 14.548 | 14.583 | HH | 28131  | 578536  | 4.29%  | 0.120% |
|     |        |        |        |    |        |         |        |        |
| 176 | 14.617 | 14.583 | 14.675 | HH | 81094  | 2256876 | 16.75% | 0.468% |
| 177 | 14.684 | 14.675 | 14.693 | HH | 28149  | 300249  | 2.23%  | 0.062% |
| 178 | 14.763 | 14.693 | 14.778 | HH | 44000  | 1720120 | 12.77% | 0.357% |
| 179 | 14.797 | 14.778 | 14.848 | HH | 56006  | 1753242 | 13.01% | 0.364% |
| 180 | 14.917 | 14.848 | 14.930 | HH | 34289  | 1593891 | 11.83% | 0.331% |
|     |        |        |        |    |        |         |        |        |
| 181 | 14.945 | 14.930 | 14.992 | HH | 33399  | 1228983 | 9.12%  | 0.255% |
| 182 | 15.000 | 14.992 | 15.032 | HH | 32052  | 756338  | 5.61%  | 0.157% |
| 183 | 15.076 | 15.032 | 15.095 | HH | 34306  | 1263896 | 9.38%  | 0.262% |
| 184 | 15.105 | 15.095 | 15.128 | HH | 34431  | 675372  | 5.01%  | 0.140% |
| 185 | 15.138 | 15.128 | 15.169 | HH | 34356  | 841017  | 6.24%  | 0.175% |
|     |        |        |        |    |        |         |        |        |
| 186 | 15.245 | 15.169 | 15.299 | HH | 47856  | 3048087 | 22.63% | 0.633% |
| 187 | 15.336 | 15.299 | 15.381 | HH | 42856  | 1938839 | 14.39% | 0.402% |
| 188 | 15.409 | 15.381 | 15.422 | HH | 41038  | 974282  | 7.23%  | 0.202% |
| 189 | 15.436 | 15.422 | 15.454 | HH | 41941  | 785348  | 5.83%  | 0.163% |
| 190 | 15.469 | 15.454 | 15.508 | HH | 42070  | 1285755 | 9.54%  | 0.267% |
|     |        |        |        |    |        |         |        |        |
| 191 | 15.598 | 15.508 | 15.631 | HH | 43048  | 2991216 | 22.20% | 0.621% |
| 192 | 15.662 | 15.631 | 15.685 | HH | 41877  | 1322038 | 9.81%  | 0.274% |
| 193 | 15.696 | 15.685 | 15.706 | HH | 41871  | 524860  | 3.90%  | 0.109% |
| 194 | 15.727 | 15.706 | 15.737 | HH | 42913  | 797368  | 5.92%  | 0.165% |

| rteres |        |        |        |    |        |         |        |        |
|--------|--------|--------|--------|----|--------|---------|--------|--------|
| 195    | 15.844 | 15.737 | 15.888 | HH | 49886  | 4059964 | 30.14% | 0.843% |
| 196    | 15.904 | 15.888 | 15.927 | HH | 46931  | 1077941 | 8.00%  | 0.224% |
| 197    | 15.943 | 15.927 | 15.955 | HH | 45730  | 767387  | 5.70%  | 0.159% |
| 198    | 15.974 | 15.955 | 15.994 | HH | 46669  | 1070698 | 7.95%  | 0.222% |
| 199    | 16.030 | 15.994 | 16.058 | HH | 51693  | 1909533 | 14.17% | 0.396% |
| 200    | 16.138 | 16.058 | 16.161 | HH | 55010  | 3202518 | 23.77% | 0.665% |
| 201    | 16.205 | 16.161 | 16.215 | HH | 53959  | 1729249 | 12.84% | 0.359% |
| 202    | 16.233 | 16.215 | 16.254 | HH | 55782  | 1272809 | 9.45%  | 0.264% |
| 203    | 16.289 | 16.254 | 16.297 | HH | 56681  | 1409819 | 10.47% | 0.293% |
| 204    | 16.325 | 16.297 | 16.381 | HH | 81329  | 3343316 | 24.82% | 0.694% |
| 205    | 16.413 | 16.381 | 16.435 | HH | 61385  | 1909263 | 14.17% | 0.396% |
| 206    | 16.461 | 16.435 | 16.485 | HH | 66083  | 1922336 | 14.27% | 0.399% |
| 207    | 16.495 | 16.485 | 16.514 | HH | 62582  | 1059306 | 7.86%  | 0.220% |
| 208    | 16.535 | 16.514 | 16.573 | HH | 63376  | 2208211 | 16.39% | 0.458% |
| 209    | 16.648 | 16.573 | 16.683 | HH | 78111  | 4424043 | 32.84% | 0.918% |
| 210    | 16.708 | 16.683 | 16.740 | HH | 77765  | 2408324 | 17.88% | 0.500% |
| 211    | 16.809 | 16.740 | 16.823 | HH | 80881  | 3628173 | 26.93% | 0.753% |
| 212    | 16.844 | 16.823 | 16.871 | HH | 104059 | 2466936 | 18.31% | 0.512% |
| 213    | 16.883 | 16.871 | 16.908 | HH | 71172  | 1546958 | 11.48% | 0.321% |
| 214    | 16.924 | 16.908 | 16.936 | HH | 70651  | 1174978 | 8.72%  | 0.244% |
| 215    | 16.962 | 16.936 | 16.972 | HH | 74553  | 1586440 | 11.78% | 0.329% |
| 216    | 16.991 | 16.972 | 17.002 | HH | 75102  | 1285430 | 9.54%  | 0.267% |
| 217    | 17.026 | 17.002 | 17.061 | HH | 79115  | 2737976 | 20.32% | 0.568% |
| 218    | 17.119 | 17.061 | 17.141 | HH | 81773  | 3744608 | 27.80% | 0.777% |
| 219    | 17.204 | 17.141 | 17.221 | HH | 86746  | 3849162 | 28.57% | 0.799% |
| 220    | 17.250 | 17.221 | 17.293 | HH | 87482  | 3563645 | 26.45% | 0.740% |
| 221    | 17.315 | 17.293 | 17.330 | HH | 82238  | 1815182 | 13.47% | 0.377% |
| 222    | 17.354 | 17.330 | 17.391 | HH | 87232  | 3056492 | 22.69% | 0.634% |
| 223    | 17.418 | 17.391 | 17.451 | HH | 86221  | 3047293 | 22.62% | 0.632% |
| 224    | 17.472 | 17.451 | 17.488 | HH | 85569  | 1872653 | 13.90% | 0.389% |
| 225    | 17.525 | 17.488 | 17.547 | HH | 86444  | 2979895 | 22.12% | 0.618% |
| 226    | 17.590 | 17.547 | 17.623 | HH | 90179  | 3973734 | 29.50% | 0.825% |
| 227    | 17.685 | 17.623 | 17.715 | HH | 105754 | 5213889 | 38.70% | 1.082% |
| 228    | 17.725 | 17.715 | 17.751 | HH | 91801  | 1982779 | 14.72% | 0.411% |
| 229    | 17.823 | 17.751 | 17.903 | HH | 113968 | 8807971 | 65.38% | 1.828% |
| 230    | 17.922 | 17.903 | 17.950 | HH | 95193  | 2651520 | 19.68% | 0.550% |
| 231    | 17.999 | 17.950 | 18.019 | HH | 101417 | 3990568 | 29.62% | 0.828% |
| 232    | 18.028 | 18.019 | 18.051 | HH | 100676 | 1930446 | 14.33% | 0.401% |
| 233    | 18.062 | 18.051 | 18.068 | HH | 100048 | 1032167 | 7.66%  | 0.214% |
| 234    | 18.109 | 18.068 | 18.138 | HH | 114868 | 4484224 | 33.29% | 0.931% |
| 235    | 18.150 | 18.138 | 18.160 | HH | 102211 | 1325714 | 9.84%  | 0.275% |
| 236    | 18.194 | 18.160 | 18.245 | HH | 119864 | 5469042 | 40.60% | 1.135% |
| 237    | 18.255 | 18.245 | 18.291 | HH | 104516 | 2866063 | 21.28% | 0.595% |
| 238    | 18.343 | 18.291 | 18.375 | HH | 110905 | 5271567 | 39.13% | 1.094% |
| 239    | 18.386 | 18.375 | 18.405 | HH | 104821 | 1865371 | 13.85% | 0.387% |
| 240    | 18.430 | 18.405 | 18.445 | HH | 104920 | 2468720 | 18.33% | 0.512% |
| 241    | 18.460 | 18.445 | 18.467 | HH | 104658 | 1353027 | 10.04% | 0.281% |
| 242    | 18.491 | 18.467 | 18.505 | HH | 109652 | 2454508 | 18.22% | 0.509% |
| 243    | 18.522 | 18.505 | 18.560 | HH | 117495 | 3642069 | 27.04% | 0.756% |
| 244    | 18.582 | 18.560 | 18.590 | HH | 107407 | 1906317 | 14.15% | 0.396% |
| 245    | 18.618 | 18.590 | 18.642 | HH | 121860 | 3585434 | 26.62% | 0.744% |
| 246    | 18.668 | 18.642 | 18.701 | HH | 120665 | 4063469 | 30.16% | 0.843% |

| rteres |        |        |        |    |        |          |         |        |
|--------|--------|--------|--------|----|--------|----------|---------|--------|
| 247    | 18.717 | 18.701 | 18.734 | HH | 112358 | 2177947  | 16.17%  | 0.452% |
| 248    | 18.752 | 18.734 | 18.765 | HH | 112455 | 2029136  | 15.06%  | 0.421% |
| 249    | 18.794 | 18.765 | 18.821 | HH | 116243 | 3880077  | 28.80%  | 0.805% |
| 250    | 18.873 | 18.821 | 18.893 | HH | 118303 | 4975827  | 36.94%  | 1.033% |
|        |        |        |        |    |        |          |         |        |
| 251    | 18.948 | 18.893 | 18.988 | HH | 129057 | 6930028  | 51.44%  | 1.438% |
| 252    | 19.021 | 18.988 | 19.068 | HH | 126426 | 5881129  | 43.66%  | 1.220% |
| 253    | 19.089 | 19.068 | 19.108 | HH | 123616 | 2885902  | 21.42%  | 0.599% |
| 254    | 19.123 | 19.108 | 19.151 | HH | 125323 | 3194648  | 23.71%  | 0.663% |
| 255    | 19.189 | 19.151 | 19.216 | HH | 124860 | 4793279  | 35.58%  | 0.995% |
|        |        |        |        |    |        |          |         |        |
| 256    | 19.221 | 19.216 | 19.231 | HH | 124053 | 1134345  | 8.42%   | 0.235% |
| 257    | 19.313 | 19.231 | 19.394 | HH | 134504 | 12493092 | 92.74%  | 2.593% |
| 258    | 19.422 | 19.394 | 19.453 | HH | 134990 | 4617601  | 34.28%  | 0.958% |
| 259    | 19.519 | 19.453 | 19.555 | HH | 136324 | 8226503  | 61.07%  | 1.707% |
| 260    | 19.581 | 19.555 | 19.621 | HH | 139913 | 5382199  | 39.95%  | 1.117% |
|        |        |        |        |    |        |          |         |        |
| 261    | 19.655 | 19.621 | 19.670 | HH | 144619 | 4200359  | 31.18%  | 0.872% |
| 262    | 19.682 | 19.670 | 19.708 | HH | 143782 | 3208749  | 23.82%  | 0.666% |
| 263    | 19.728 | 19.708 | 19.763 | HH | 146543 | 4658844  | 34.58%  | 0.967% |
| 264    | 19.804 | 19.763 | 19.814 | HH | 142657 | 4313635  | 32.02%  | 0.895% |
| 265    | 19.839 | 19.814 | 19.868 | HH | 145735 | 4705644  | 34.93%  | 0.976% |
|        |        |        |        |    |        |          |         |        |
| 266    | 19.952 | 19.868 | 19.988 | HH | 155992 | 10808878 | 80.24%  | 2.243% |
| 267    | 20.049 | 19.988 | 20.075 | HH | 158210 | 8003035  | 59.41%  | 1.661% |
| 268    | 20.118 | 20.075 | 20.145 | HH | 158808 | 6542771  | 48.57%  | 1.358% |
| 269    | 20.153 | 20.145 | 20.164 | HH | 157008 | 1753550  | 13.02%  | 0.364% |
| 270    | 20.205 | 20.164 | 20.223 | HH | 160344 | 5669002  | 42.08%  | 1.176% |
|        |        |        |        |    |        |          |         |        |
| 271    | 20.257 | 20.223 | 20.281 | HH | 164559 | 5647715  | 41.92%  | 1.172% |
| 272    | 20.294 | 20.281 | 20.312 | HH | 162889 | 2960340  | 21.98%  | 0.614% |
| 273    | 20.332 | 20.312 | 20.343 | HH | 163212 | 3018487  | 22.41%  | 0.626% |
| 274    | 20.403 | 20.343 | 20.480 | HH | 168317 | 13471276 | 100.00% | 2.795% |
| 275    | 20.500 | 20.480 | 20.582 | HH | 164062 | 9896167  | 73.46%  | 2.054% |
|        |        |        |        |    |        |          |         |        |
| 276    | 20.597 | 20.582 | 20.611 | HH | 159558 | 2829886  | 21.01%  | 0.587% |
| 277    | 20.624 | 20.611 | 20.641 | HH | 160735 | 2865087  | 21.27%  | 0.595% |
| 278    | 20.655 | 20.641 | 20.672 | HH | 158542 | 2885082  | 21.42%  | 0.599% |
| 279    | 20.682 | 20.672 | 20.710 | HH | 158739 | 3634367  | 26.98%  | 0.754% |
| 280    | 20.728 | 20.710 | 20.762 | HH | 158547 | 4817998  | 35.76%  | 1.000% |
|        |        |        |        |    |        |          |         |        |
| 281    | 20.777 | 20.762 | 20.841 | HH | 160047 | 7446520  | 55.28%  | 1.545% |
| 282    | 20.849 | 20.841 | 20.865 | HH | 152507 | 2112068  | 15.68%  | 0.438% |
| 283    | 20.895 | 20.865 | 20.905 | HH | 152949 | 3662930  | 27.19%  | 0.760% |
| 284    | 20.912 | 20.905 | 20.918 | HH | 153187 | 1215668  | 9.02%   | 0.252% |
| 285    | 20.935 | 20.918 | 20.954 | HH | 154146 | 3318901  | 24.64%  | 0.689% |
|        |        |        |        |    |        |          |         |        |
| 286    | 20.967 | 20.954 | 20.988 | HH | 153352 | 3066387  | 22.76%  | 0.636% |
| 287    | 21.001 | 20.988 | 21.085 | HH | 153540 | 8783499  | 65.20%  | 1.823% |
| 288    | 21.096 | 21.085 | 21.166 | HH | 149403 | 7083521  | 52.58%  | 1.470% |
| 289    | 21.196 | 21.166 | 21.221 | HH | 148504 | 4825300  | 35.82%  | 1.001% |
| 290    | 21.231 | 21.221 | 21.256 | HH | 145018 | 2981100  | 22.13%  | 0.619% |
|        |        |        |        |    |        |          |         |        |
| 291    | 21.268 | 21.256 | 21.281 | HH | 145493 | 2196076  | 16.30%  | 0.456% |
| 292    | 21.303 | 21.281 | 21.314 | HH | 145119 | 2841042  | 21.09%  | 0.590% |
| 293    | 21.328 | 21.314 | 21.355 | HH | 145319 | 3531383  | 26.21%  | 0.733% |
| 294    | 21.384 | 21.355 | 21.426 | HH | 145084 | 6076241  | 45.11%  | 1.261% |
| 295    | 21.434 | 21.426 | 21.466 | HH | 140655 | 3337617  | 24.78%  | 0.693% |
|        |        |        |        |    |        |          |         |        |
| 296    | 21.480 | 21.466 | 21.508 | HH | 140321 | 3492408  | 25.92%  | 0.725% |
| 297    | 21.534 | 21.508 | 21.545 | HH | 136857 | 2986259  | 22.17%  | 0.620% |
| 298    | 21.556 | 21.545 | 21.621 | HH | 137258 | 6257884  | 46.45%  | 1.299% |
| 299    | 21.634 | 21.621 | 21.644 | HH | 135832 | 1856399  | 13.78%  | 0.385% |

|     |        |        |        |    |                         |           |        |        |  |
|-----|--------|--------|--------|----|-------------------------|-----------|--------|--------|--|
|     |        |        |        |    | rteres                  |           |        |        |  |
| 300 | 21.679 | 21.644 | 21.716 | HH | 139975                  | 5883545   | 43.67% | 1.221% |  |
| 301 | 21.724 | 21.716 | 21.752 | HH | 134887                  | 2871059   | 21.31% | 0.596% |  |
| 302 | 21.776 | 21.752 | 21.840 | HH | 134655                  | 6995296   | 51.93% | 1.452% |  |
|     |        |        |        |    | Sum of corrected areas: | 481891932 |        |        |  |

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