

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF121120\  
 Data File : FF007962.D  
 Signal(s) : FID2B.ch  
 Acq On : 11 Dec 2020 15:08  
 Sample : L5012-01MSD  
 Misc :  
 ALS Vial : 57 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\FF120220.M  
 Title :

Signal : FID2B.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       | 2.301        | 2.400      | BH       | 468021         | 3499553      | 54.21%         | 2.710%        |
| 2         | 2.404       | 2.400        | 2.453      | HH       | 255            | -1720        | -0.03%         | -0.001%       |
| 3         | 2.456       | 2.453        | 2.491      | PH       | -233           | -8281        | -0.13%         | -0.006%       |
| 4         | 2.511       | 2.491        | 2.547      | PH       | 124            | -11393       | -0.18%         | -0.009%       |
| 5         | 2.565       | 2.547        | 2.589      | PH       | -332           | -15914       | -0.25%         | -0.012%       |
| 6         | 2.608       | 2.589        | 2.638      | PH       | -146           | -20336       | -0.32%         | -0.016%       |
| 7         | 2.643       | 2.638        | 2.669      | PH       | -1014          | -20101       | -0.31%         | -0.016%       |
| 8         | 2.675       | 2.669        | 2.691      | PH       | -1034          | -14867       | -0.23%         | -0.012%       |
| 9         | 2.695       | 2.691        | 2.763      | PH       | -1116          | -54416       | -0.84%         | -0.042%       |
| 10        | 2.768       | 2.763        | 2.774      | PH       | -1351          | -9569        | -0.15%         | -0.007%       |
| 11        | 2.777       | 2.774        | 2.785      | PH       | -1338          | -8759        | -0.14%         | -0.007%       |
| 12        | 2.790       | 2.785        | 2.794      | PH       | -1383          | -7965        | -0.12%         | -0.006%       |
| 13        | 2.796       | 2.794        | 2.814      | PH       | -1343          | -17403       | -0.27%         | -0.013%       |
| 14        | 2.826       | 2.814        | 2.830      | PH       | -1399          | -14383       | -0.22%         | -0.011%       |
| 15        | 2.834       | 2.830        | 2.852      | PH       | -1506          | -20573       | -0.32%         | -0.016%       |
| 16        | 2.858       | 2.852        | 2.878      | PH       | -1496          | -23776       | -0.37%         | -0.018%       |
| 17        | 2.886       | 2.878        | 2.892      | PH       | -1522          | -13758       | -0.21%         | -0.011%       |
| 18        | 2.898       | 2.892        | 2.921      | PH       | -1421          | -26080       | -0.40%         | -0.020%       |
| 19        | 2.927       | 2.921        | 2.942      | PH       | -1412          | -20642       | -0.32%         | -0.016%       |
| 20        | 2.964       | 2.942        | 2.987      | PH       | -1490          | -44508       | -0.69%         | -0.034%       |
| 21        | 2.992       | 2.987        | 3.033      | PH       | -1638          | -48721       | -0.75%         | -0.038%       |
| 22        | 3.048       | 3.033        | 3.053      | PH       | -1815          | -21669       | -0.34%         | -0.017%       |
| 23        | 3.062       | 3.053        | 3.094      | PH       | -1734          | -44275       | -0.69%         | -0.034%       |
| 24        | 3.102       | 3.094        | 3.134      | PH       | -1573          | -41628       | -0.64%         | -0.032%       |
| 25        | 3.149       | 3.134        | 3.182      | PH       | -1698          | -51803       | -0.80%         | -0.040%       |
| 26        | 3.187       | 3.182        | 3.193      | PH       | -1878          | -12496       | -0.19%         | -0.010%       |
| 27        | 3.199       | 3.193        | 3.211      | PH       | -1931          | -21532       | -0.33%         | -0.017%       |
| 28        | 3.214       | 3.211        | 3.226      | PH       | -1972          | -18910       | -0.29%         | -0.015%       |
| 29        | 3.244       | 3.226        | 3.306      | PH       | 526            | -58693       | -0.91%         | -0.045%       |
| 30        | 3.310       | 3.306        | 3.345      | PH       | -1694          | -44067       | -0.68%         | -0.034%       |
| 31        | 3.358       | 3.345        | 3.446      | PH       | -1433          | -126265      | -1.96%         | -0.098%       |
| 32        | 3.449       | 3.446        | 3.454      | PH       | -2294          | -11472       | -0.18%         | -0.009%       |
| 33        | 3.486       | 3.454        | 3.546      | PH       | -2022          | -124670      | -1.93%         | -0.097%       |
| 34        | 3.554       | 3.546        | 3.575      | PH       | -2307          | -40506       | -0.63%         | -0.031%       |
| 35        | 3.579       | 3.575        | 3.589      | PH       | -2392          | -20637       | -0.32%         | -0.016%       |
| 36        | 3.599       | 3.589        | 3.614      | PH       | -2373          | -36772       | -0.57%         | -0.028%       |

| rteres |       |       |       |    |        |         |        |         |
|--------|-------|-------|-------|----|--------|---------|--------|---------|
| 37     | 3.620 | 3.614 | 3.628 | PH | -2454  | -21737  | -0.34% | -0.017% |
| 38     | 3.656 | 3.628 | 3.682 | PH | -1962  | -74306  | -1.15% | -0.058% |
| 39     | 3.686 | 3.682 | 3.720 | PH | -2445  | -57215  | -0.89% | -0.044% |
| 40     | 3.736 | 3.720 | 3.751 | PH | -2455  | -47338  | -0.73% | -0.037% |
| 41     | 3.758 | 3.751 | 3.777 | PH | -2489  | -40558  | -0.63% | -0.031% |
| 42     | 3.793 | 3.777 | 3.825 | PH | -2401  | -73338  | -1.14% | -0.057% |
| 43     | 3.833 | 3.825 | 3.846 | PH | -2581  | -32909  | -0.51% | -0.025% |
| 44     | 3.854 | 3.846 | 3.872 | PH | -2538  | -41500  | -0.64% | -0.032% |
| 45     | 3.882 | 3.872 | 3.889 | PH | -2653  | -26662  | -0.41% | -0.021% |
| 46     | 3.902 | 3.889 | 3.931 | PH | -2535  | -66487  | -1.03% | -0.051% |
| 47     | 3.942 | 3.931 | 3.947 | PH | -2646  | -27519  | -0.43% | -0.021% |
| 48     | 3.959 | 3.947 | 3.999 | PH | -2526  | -82342  | -1.28% | -0.064% |
| 49     | 4.023 | 3.999 | 4.071 | PH | 126616 | 1243710 | 19.27% | 0.963%  |
| 50     | 4.077 | 4.071 | 4.171 | HH | 3124   | -15513  | -0.24% | -0.012% |
| 51     | 4.187 | 4.171 | 4.231 | PH | 3696   | 22311   | 0.35%  | 0.017%  |
| 52     | 4.244 | 4.231 | 4.326 | PH | -610   | -88653  | -1.37% | -0.069% |
| 53     | 4.331 | 4.326 | 4.344 | PH | -2163  | -24345  | -0.38% | -0.019% |
| 54     | 4.360 | 4.344 | 4.399 | PH | -1095  | -61887  | -0.96% | -0.048% |
| 55     | 4.429 | 4.399 | 4.513 | PH | 465585 | 4044674 | 62.66% | 3.132%  |
| 56     | 4.527 | 4.513 | 4.560 | PH | -1734  | -53422  | -0.83% | -0.041% |
| 57     | 4.579 | 4.560 | 4.596 | PH | 1089   | -17016  | -0.26% | -0.013% |
| 58     | 4.611 | 4.596 | 4.686 | PH | 429    | -98351  | -1.52% | -0.076% |
| 59     | 4.691 | 4.686 | 4.702 | PH | -2498  | -24681  | -0.38% | -0.019% |
| 60     | 4.713 | 4.702 | 4.771 | PH | -2451  | -108811 | -1.69% | -0.084% |
| 61     | 4.796 | 4.771 | 4.807 | PH | -2493  | -57737  | -0.89% | -0.045% |
| 62     | 4.813 | 4.807 | 4.818 | PH | -2504  | -16188  | -0.25% | -0.013% |
| 63     | 4.821 | 4.818 | 4.874 | PH | -2583  | -91067  | -1.41% | -0.071% |
| 64     | 4.879 | 4.874 | 4.894 | PH | -2757  | -33798  | -0.52% | -0.026% |
| 65     | 4.905 | 4.894 | 4.921 | PH | -2732  | -44868  | -0.70% | -0.035% |
| 66     | 4.932 | 4.921 | 4.953 | PH | -2742  | -55514  | -0.86% | -0.043% |
| 67     | 4.964 | 4.953 | 4.978 | PH | -2674  | -40746  | -0.63% | -0.032% |
| 68     | 4.985 | 4.978 | 4.989 | PH | -2803  | -19550  | -0.30% | -0.015% |
| 69     | 5.023 | 4.989 | 5.049 | PH | -1182  | -78539  | -1.22% | -0.061% |
| 70     | 5.053 | 5.049 | 5.062 | PH | -2660  | -21933  | -0.34% | -0.017% |
| 71     | 5.065 | 5.062 | 5.067 | PH | -2755  | -8282   | -0.13% | -0.006% |
| 72     | 5.089 | 5.067 | 5.097 | PH | -2633  | -47514  | -0.74% | -0.037% |
| 73     | 5.114 | 5.097 | 5.121 | PH | -2475  | -37645  | -0.58% | -0.029% |
| 74     | 5.124 | 5.121 | 5.149 | PH | -2559  | -44639  | -0.69% | -0.035% |
| 75     | 5.168 | 5.149 | 5.197 | PH | -2155  | -73990  | -1.15% | -0.057% |
| 76     | 5.200 | 5.197 | 5.207 | PH | -2829  | -17767  | -0.28% | -0.014% |
| 77     | 5.212 | 5.207 | 5.220 | PH | -2775  | -21627  | -0.34% | -0.017% |
| 78     | 5.226 | 5.220 | 5.230 | PH | -2799  | -17847  | -0.28% | -0.014% |
| 79     | 5.235 | 5.230 | 5.248 | PH | -2786  | -30751  | -0.48% | -0.024% |
| 80     | 5.268 | 5.248 | 5.274 | PH | -2756  | -44741  | -0.69% | -0.035% |
| 81     | 5.300 | 5.274 | 5.338 | PH | 108627 | 953207  | 14.77% | 0.738%  |
| 82     | 5.351 | 5.338 | 5.401 | PH | -1079  | -75060  | -1.16% | -0.058% |
| 83     | 5.416 | 5.401 | 5.434 | PH | -2240  | -50197  | -0.78% | -0.039% |
| 84     | 5.439 | 5.434 | 5.447 | PH | -2746  | -21803  | -0.34% | -0.017% |
| 85     | 5.467 | 5.447 | 5.497 | PH | 48     | -56115  | -0.87% | -0.043% |
| 86     | 5.502 | 5.497 | 5.510 | PH | -2782  | -22261  | -0.34% | -0.017% |
| 87     | 5.526 | 5.510 | 5.552 | PH | -2143  | -64793  | -1.00% | -0.050% |
| 88     | 5.555 | 5.552 | 5.578 | PH | -2728  | -43227  | -0.67% | -0.033% |
| 89     | 5.584 | 5.578 | 5.597 | PH | -2867  | -34591  | -0.54% | -0.027% |

|     |       |       |       |    |        |         |        |         |
|-----|-------|-------|-------|----|--------|---------|--------|---------|
|     |       |       |       |    | rteres |         |        |         |
| 90  | 5.601 | 5.597 | 5.605 | PH | -2929  | -13653  | -0.21% | -0.011% |
| 91  | 5.613 | 5.605 | 5.617 | PH | -2825  | -20077  | -0.31% | -0.016% |
| 92  | 5.633 | 5.617 | 5.678 | PH | -1545  | -94563  | -1.46% | -0.073% |
| 93  | 5.707 | 5.678 | 5.734 | PH | -2417  | -94408  | -1.46% | -0.073% |
| 94  | 5.744 | 5.734 | 5.756 | PH | -2842  | -38520  | -0.60% | -0.030% |
| 95  | 5.760 | 5.756 | 5.765 | PH | -2922  | -16618  | -0.26% | -0.013% |
| 96  | 5.770 | 5.765 | 5.789 | PH | -2963  | -42339  | -0.66% | -0.033% |
| 97  | 5.807 | 5.789 | 5.832 | PH | -2960  | -77936  | -1.21% | -0.060% |
| 98  | 5.837 | 5.832 | 5.864 | PH | -3034  | -59949  | -0.93% | -0.046% |
| 99  | 5.887 | 5.864 | 5.894 | PH | -3063  | -55894  | -0.87% | -0.043% |
| 100 | 5.895 | 5.894 | 5.901 | PH | -3071  | -12617  | -0.20% | -0.010% |
| 101 | 5.924 | 5.901 | 5.960 | PH | -2597  | -105112 | -1.63% | -0.081% |
| 102 | 5.975 | 5.960 | 5.996 | PH | -2837  | -63604  | -0.99% | -0.049% |
| 103 | 6.016 | 5.996 | 6.024 | PH | -2039  | -41338  | -0.64% | -0.032% |
| 104 | 6.028 | 6.024 | 6.061 | PH | -2145  | -51714  | -0.80% | -0.040% |
| 105 | 6.064 | 6.061 | 6.068 | PH | -2487  | -10327  | -0.16% | -0.008% |
| 106 | 6.085 | 6.068 | 6.134 | PH | -298   | -83736  | -1.30% | -0.065% |
| 107 | 6.163 | 6.134 | 6.190 | PH | 2105   | -41262  | -0.64% | -0.032% |
| 108 | 6.197 | 6.190 | 6.220 | PH | -2723  | -49766  | -0.77% | -0.039% |
| 109 | 6.231 | 6.220 | 6.279 | PH | -2714  | -102427 | -1.59% | -0.079% |
| 110 | 6.304 | 6.279 | 6.318 | PH | -2566  | -65120  | -1.01% | -0.050% |
| 111 | 6.323 | 6.318 | 6.341 | PH | -2701  | -38088  | -0.59% | -0.029% |
| 112 | 6.347 | 6.341 | 6.368 | PH | -2758  | -46893  | -0.73% | -0.036% |
| 113 | 6.374 | 6.368 | 6.377 | PH | -3006  | -17084  | -0.26% | -0.013% |
| 114 | 6.394 | 6.377 | 6.401 | PH | -2859  | -41716  | -0.65% | -0.032% |
| 115 | 6.410 | 6.401 | 6.419 | PH | -2820  | -31781  | -0.49% | -0.025% |
| 116 | 6.451 | 6.419 | 6.584 | PH | 441505 | 4104500 | 63.59% | 3.178%  |
| 117 | 6.597 | 6.584 | 6.639 | PH | -2451  | -89903  | -1.39% | -0.070% |
| 118 | 6.644 | 6.639 | 6.647 | PH | -2873  | -14147  | -0.22% | -0.011% |
| 119 | 6.659 | 6.647 | 6.687 | PH | -2735  | -68878  | -1.07% | -0.053% |
| 120 | 6.704 | 6.687 | 6.709 | PH | -2683  | -36170  | -0.56% | -0.028% |
| 121 | 6.728 | 6.709 | 6.802 | PH | -280   | -122923 | -1.90% | -0.095% |
| 122 | 6.819 | 6.802 | 6.831 | PH | -2106  | -41394  | -0.64% | -0.032% |
| 123 | 6.844 | 6.831 | 6.922 | PH | -1724  | -145549 | -2.25% | -0.113% |
| 124 | 6.967 | 6.922 | 7.031 | PH | -2452  | -180959 | -2.80% | -0.140% |
| 125 | 7.053 | 7.031 | 7.062 | PH | -2923  | -55075  | -0.85% | -0.043% |
| 126 | 7.079 | 7.062 | 7.094 | PH | -2604  | -53437  | -0.83% | -0.041% |
| 127 | 7.109 | 7.094 | 7.142 | PH | -1368  | -67518  | -1.05% | -0.052% |
| 128 | 7.152 | 7.142 | 7.196 | PH | -2625  | -93898  | -1.45% | -0.073% |
| 129 | 7.216 | 7.196 | 7.233 | PH | -2953  | -68035  | -1.05% | -0.053% |
| 130 | 7.273 | 7.233 | 7.306 | PH | -2659  | -131452 | -2.04% | -0.102% |
| 131 | 7.313 | 7.306 | 7.338 | PH | -3045  | -61082  | -0.95% | -0.047% |
| 132 | 7.374 | 7.338 | 7.429 | PH | -1058  | -152427 | -2.36% | -0.118% |
| 133 | 7.433 | 7.429 | 7.467 | PH | -3190  | -73999  | -1.15% | -0.057% |
| 134 | 7.503 | 7.467 | 7.517 | PH | -2633  | -87880  | -1.36% | -0.068% |
| 135 | 7.526 | 7.517 | 7.580 | PH | -2799  | -112695 | -1.75% | -0.087% |
| 136 | 7.610 | 7.580 | 7.643 | PH | 3354   | -31003  | -0.48% | -0.024% |
| 137 | 7.659 | 7.643 | 7.717 | PH | -860   | -106330 | -1.65% | -0.082% |
| 138 | 7.738 | 7.717 | 7.763 | PH | -2972  | -82903  | -1.28% | -0.064% |
| 139 | 7.790 | 7.763 | 7.801 | PH | -2411  | -62027  | -0.96% | -0.048% |
| 140 | 7.828 | 7.801 | 7.852 | PH | -52    | -56342  | -0.87% | -0.044% |
| 141 | 7.868 | 7.852 | 7.924 | PH | -2529  | -119660 | -1.85% | -0.093% |

| rteres |        |        |        |    |        |         |        |         |
|--------|--------|--------|--------|----|--------|---------|--------|---------|
| 142    | 7.940  | 7.924  | 7.959  | PH | -2305  | -57742  | -0.89% | -0.045% |
| 143    | 7.980  | 7.959  | 8.037  | PH | 112    | -94010  | -1.46% | -0.073% |
| 144    | 8.076  | 8.037  | 8.096  | PH | 681    | -65210  | -1.01% | -0.050% |
| 145    | 8.118  | 8.096  | 8.133  | PH | -1328  | -45275  | -0.70% | -0.035% |
|        |        |        |        |    |        |         |        |         |
| 146    | 8.142  | 8.133  | 8.165  | PH | -2143  | -47608  | -0.74% | -0.037% |
| 147    | 8.246  | 8.165  | 8.289  | PH | 428140 | 4331372 | 67.10% | 3.354%  |
| 148    | 8.311  | 8.289  | 8.347  | PH | 11166  | 83557   | 1.29%  | 0.065%  |
| 149    | 8.363  | 8.347  | 8.424  | PH | -462   | -79209  | -1.23% | -0.061% |
| 150    | 8.440  | 8.424  | 8.460  | PH | -2222  | -54313  | -0.84% | -0.042% |
|        |        |        |        |    |        |         |        |         |
| 151    | 8.518  | 8.460  | 8.542  | PH | -1239  | -110960 | -1.72% | -0.086% |
| 152    | 8.556  | 8.542  | 8.584  | PH | -2697  | -71587  | -1.11% | -0.055% |
| 153    | 8.610  | 8.584  | 8.618  | PH | -1993  | -51602  | -0.80% | -0.040% |
| 154    | 8.632  | 8.618  | 8.651  | PH | -1267  | -37810  | -0.59% | -0.029% |
| 155    | 8.664  | 8.651  | 8.691  | PH | -2306  | -56554  | -0.88% | -0.044% |
|        |        |        |        |    |        |         |        |         |
| 156    | 8.719  | 8.691  | 8.764  | PH | -518   | -77672  | -1.20% | -0.060% |
| 157    | 8.780  | 8.764  | 8.818  | PH | -1768  | -76403  | -1.18% | -0.059% |
| 158    | 8.838  | 8.818  | 8.859  | PH | -2479  | -65892  | -1.02% | -0.051% |
| 159    | 8.889  | 8.859  | 8.914  | PH | -2605  | -90468  | -1.40% | -0.070% |
| 160    | 8.939  | 8.914  | 8.954  | PH | -2709  | -67741  | -1.05% | -0.052% |
|        |        |        |        |    |        |         |        |         |
| 161    | 8.991  | 8.954  | 9.027  | PH | -1876  | -105796 | -1.64% | -0.082% |
| 162    | 9.067  | 9.027  | 9.080  | PH | 2392   | -22872  | -0.35% | -0.018% |
| 163    | 9.094  | 9.080  | 9.141  | PH | 2974   | -28597  | -0.44% | -0.022% |
| 164    | 9.153  | 9.141  | 9.184  | PH | -2521  | -70031  | -1.08% | -0.054% |
| 165    | 9.208  | 9.184  | 9.239  | PH | -2562  | -90030  | -1.39% | -0.070% |
|        |        |        |        |    |        |         |        |         |
| 166    | 9.254  | 9.239  | 9.274  | PH | -2668  | -57907  | -0.90% | -0.045% |
| 167    | 9.307  | 9.274  | 9.342  | PH | -1761  | -102309 | -1.58% | -0.079% |
| 168    | 9.354  | 9.342  | 9.383  | PH | -2599  | -66839  | -1.04% | -0.052% |
| 169    | 9.446  | 9.383  | 9.474  | PH | -1267  | -108073 | -1.67% | -0.084% |
| 170    | 9.486  | 9.474  | 9.507  | PH | -1703  | -40475  | -0.63% | -0.031% |
|        |        |        |        |    |        |         |        |         |
| 171    | 9.525  | 9.507  | 9.552  | PH | -2035  | -61792  | -0.96% | -0.048% |
| 172    | 9.574  | 9.552  | 9.601  | PH | -1557  | -62740  | -0.97% | -0.049% |
| 173    | 9.626  | 9.601  | 9.649  | PH | -1872  | -66736  | -1.03% | -0.052% |
| 174    | 9.683  | 9.649  | 9.711  | PH | -587   | -74847  | -1.16% | -0.058% |
| 175    | 9.727  | 9.711  | 9.742  | PH | -2332  | -45356  | -0.70% | -0.035% |
|        |        |        |        |    |        |         |        |         |
| 176    | 9.768  | 9.742  | 9.813  | PH | -1211  | -81046  | -1.26% | -0.063% |
| 177    | 9.849  | 9.813  | 9.907  | PH | 412712 | 4425186 | 68.55% | 3.427%  |
| 178    | 9.914  | 9.907  | 9.938  | PH | -1513  | -30597  | -0.47% | -0.024% |
| 179    | 9.952  | 9.938  | 9.979  | PH | -1805  | -50615  | -0.78% | -0.039% |
| 180    | 10.007 | 9.979  | 10.041 | PH | 5258   | -2597   | -0.04% | -0.002% |
|        |        |        |        |    |        |         |        |         |
| 181    | 10.070 | 10.041 | 10.092 | PH | -2148  | -70738  | -1.10% | -0.055% |
| 182    | 10.114 | 10.092 | 10.155 | PH | -2084  | -86790  | -1.34% | -0.067% |
| 183    | 10.186 | 10.155 | 10.210 | PH | -849   | -58708  | -0.91% | -0.045% |
| 184    | 10.235 | 10.210 | 10.262 | PH | -323   | -41559  | -0.64% | -0.032% |
| 185    | 10.288 | 10.262 | 10.307 | PH | -1530  | -48344  | -0.75% | -0.037% |
|        |        |        |        |    |        |         |        |         |
| 186    | 10.324 | 10.307 | 10.349 | PH | -1424  | -43031  | -0.67% | -0.033% |
| 187    | 10.370 | 10.349 | 10.394 | PH | 511    | -28623  | -0.44% | -0.022% |
| 188    | 10.405 | 10.394 | 10.422 | PH | -1806  | -32310  | -0.50% | -0.025% |
| 189    | 10.435 | 10.422 | 10.449 | PH | -1955  | -32067  | -0.50% | -0.025% |
| 190    | 10.472 | 10.449 | 10.504 | PH | 523    | -32068  | -0.50% | -0.025% |
|        |        |        |        |    |        |         |        |         |
| 191    | 10.519 | 10.504 | 10.537 | PH | -1152  | -23930  | -0.37% | -0.019% |
| 192    | 10.543 | 10.537 | 10.557 | PH | -1021  | -14551  | -0.23% | -0.011% |
| 193    | 10.585 | 10.557 | 10.629 | PH | 2034   | -25328  | -0.39% | -0.020% |
| 194    | 10.658 | 10.629 | 10.678 | PH | -250   | -29636  | -0.46% | -0.023% |

|     |        |        |        |    |        |         |        |         |
|-----|--------|--------|--------|----|--------|---------|--------|---------|
|     |        |        |        |    | rteres |         |        |         |
| 195 | 10.693 | 10.678 | 10.703 | PH | -927   | -16980  | -0.26% | -0.013% |
| 196 | 10.724 | 10.703 | 10.757 | PH | 2158   | -8462   | -0.13% | -0.007% |
| 197 | 10.762 | 10.757 | 10.789 | PH | -1531  | -31399  | -0.49% | -0.024% |
| 198 | 10.810 | 10.789 | 10.827 | PH | -1392  | -37213  | -0.58% | -0.029% |
| 199 | 10.855 | 10.827 | 10.884 | PH | 2131   | -2831   | -0.04% | -0.002% |
| 200 | 10.901 | 10.884 | 10.919 | PH | -160   | -11442  | -0.18% | -0.009% |
| 201 | 10.931 | 10.919 | 10.947 | PH | -453   | -11607  | -0.18% | -0.009% |
| 202 | 10.958 | 10.947 | 10.991 | PH | -503   | -22849  | -0.35% | -0.018% |
| 203 | 11.004 | 10.991 | 11.025 | PH | -940   | -24288  | -0.38% | -0.019% |
| 204 | 11.065 | 11.025 | 11.084 | PH | 903    | -22130  | -0.34% | -0.017% |
| 205 | 11.095 | 11.084 | 11.135 | PH | -998   | -38166  | -0.59% | -0.030% |
| 206 | 11.159 | 11.135 | 11.192 | PH | -1075  | -46430  | -0.72% | -0.036% |
| 207 | 11.222 | 11.192 | 11.244 | PH | -695   | -34678  | -0.54% | -0.027% |
| 208 | 11.292 | 11.244 | 11.352 | PH | 397895 | 4467805 | 69.21% | 3.460%  |
| 209 | 11.380 | 11.352 | 11.428 | PH | 401    | -24405  | -0.38% | -0.019% |
| 210 | 11.450 | 11.428 | 11.463 | PH | -498   | -19790  | -0.31% | -0.015% |
| 211 | 11.482 | 11.463 | 11.510 | PH | 803    | -10156  | -0.16% | -0.008% |
| 212 | 11.535 | 11.510 | 11.567 | PH | 432    | -19759  | -0.31% | -0.015% |
| 213 | 11.590 | 11.567 | 11.625 | PH | -29    | -18357  | -0.28% | -0.014% |
| 214 | 11.652 | 11.625 | 11.670 | PH | -380   | -15471  | -0.24% | -0.012% |
| 215 | 11.707 | 11.670 | 11.745 | PH | 477    | -8429   | -0.13% | -0.007% |
| 216 | 11.773 | 11.745 | 11.791 | PH | 260    | -10200  | -0.16% | -0.008% |
| 217 | 11.808 | 11.791 | 11.829 | PH | -120   | -9464   | -0.15% | -0.007% |
| 218 | 11.838 | 11.829 | 11.887 | PH | -358   | -29333  | -0.45% | -0.023% |
| 219 | 11.960 | 11.887 | 11.989 | PH | 356    | -38287  | -0.59% | -0.030% |
| 220 | 12.021 | 11.989 | 12.032 | PH | -176   | -11024  | -0.17% | -0.009% |
| 221 | 12.053 | 12.032 | 12.082 | PH | 134    | -6110   | -0.09% | -0.005% |
| 222 | 12.096 | 12.082 | 12.114 | PH | -407   | -9532   | -0.15% | -0.007% |
| 223 | 12.135 | 12.114 | 12.181 | PH | 360    | -1842   | -0.03% | -0.001% |
| 224 | 12.214 | 12.181 | 12.289 | PH | 25458  | 312004  | 4.83%  | 0.242%  |
| 225 | 12.296 | 12.289 | 12.349 | HH | 561    | 314     | 0.00%  | 0.000%  |
| 226 | 12.367 | 12.349 | 12.379 | PH | 150    | 440     | 0.01%  | 0.000%  |
| 227 | 12.418 | 12.379 | 12.459 | HH | 3173   | 42493   | 0.66%  | 0.033%  |
| 228 | 12.469 | 12.459 | 12.484 | PH | -246   | -5219   | -0.08% | -0.004% |
| 229 | 12.536 | 12.484 | 12.571 | PH | 875    | 7299    | 0.11%  | 0.006%  |
| 230 | 12.604 | 12.571 | 12.649 | HH | 380134 | 4516719 | 69.97% | 3.498%  |
| 231 | 12.675 | 12.649 | 12.697 | HH | 8635   | 113680  | 1.76%  | 0.088%  |
| 232 | 12.711 | 12.697 | 12.768 | HH | 2736   | 33701   | 0.52%  | 0.026%  |
| 233 | 12.835 | 12.768 | 12.851 | PH | 286    | -1692   | -0.03% | -0.001% |
| 234 | 12.864 | 12.851 | 12.885 | HH | 486    | 4026    | 0.06%  | 0.003%  |
| 235 | 12.895 | 12.885 | 12.907 | PH | 47     | -560    | -0.01% | -0.000% |
| 236 | 12.937 | 12.907 | 12.958 | PH | 13848  | 172488  | 2.67%  | 0.134%  |
| 237 | 12.974 | 12.958 | 13.042 | HH | 7981   | 134075  | 2.08%  | 0.104%  |
| 238 | 13.062 | 13.042 | 13.102 | HH | 1923   | 27256   | 0.42%  | 0.021%  |
| 239 | 13.115 | 13.102 | 13.139 | HH | 631    | 5978    | 0.09%  | 0.005%  |
| 240 | 13.150 | 13.139 | 13.180 | PH | 414    | 1804    | 0.03%  | 0.001%  |
| 241 | 13.216 | 13.180 | 13.236 | PH | 2335   | 29535   | 0.46%  | 0.023%  |
| 242 | 13.250 | 13.236 | 13.291 | HH | 1528   | 26312   | 0.41%  | 0.020%  |
| 243 | 13.306 | 13.291 | 13.319 | HH | 437    | 5114    | 0.08%  | 0.004%  |
| 244 | 13.341 | 13.319 | 13.362 | HH | 612    | 9049    | 0.14%  | 0.007%  |
| 245 | 13.416 | 13.362 | 13.444 | PH | 2086   | 40392   | 0.63%  | 0.031%  |
| 246 | 13.455 | 13.444 | 13.512 | HH | 1437   | 30500   | 0.47%  | 0.024%  |

|     |        |        |        |    |        |         |        |        |
|-----|--------|--------|--------|----|--------|---------|--------|--------|
|     |        |        |        |    | rteres |         |        |        |
| 247 | 13.522 | 13.512 | 13.534 | HH | 367    | 4153    | 0.06%  | 0.003% |
| 248 | 13.571 | 13.534 | 13.616 | HH | 1542   | 42968   | 0.67%  | 0.033% |
| 249 | 13.637 | 13.616 | 13.652 | HH | 940    | 14532   | 0.23%  | 0.011% |
| 250 | 13.673 | 13.652 | 13.699 | HH | 1678   | 26613   | 0.41%  | 0.021% |
| 251 | 13.714 | 13.699 | 13.734 | HH | 1118   | 17875   | 0.28%  | 0.014% |
| 252 | 13.754 | 13.734 | 13.771 | HH | 3703   | 48859   | 0.76%  | 0.038% |
| 253 | 13.805 | 13.771 | 13.872 | HH | 354386 | 4416920 | 68.43% | 3.420% |
| 254 | 13.889 | 13.872 | 13.939 | HH | 1197   | 28777   | 0.45%  | 0.022% |
| 255 | 13.955 | 13.939 | 13.979 | HH | 734    | 12312   | 0.19%  | 0.010% |
| 256 | 14.021 | 13.979 | 14.072 | HH | 790    | 33941   | 0.53%  | 0.026% |
| 257 | 14.091 | 14.072 | 14.107 | HH | 646    | 12361   | 0.19%  | 0.010% |
| 258 | 14.115 | 14.107 | 14.137 | HH | 669    | 10486   | 0.16%  | 0.008% |
| 259 | 14.166 | 14.137 | 14.176 | HH | 1233   | 21572   | 0.33%  | 0.017% |
| 260 | 14.199 | 14.176 | 14.249 | HH | 4415   | 96200   | 1.49%  | 0.074% |
| 261 | 14.272 | 14.249 | 14.296 | HH | 1557   | 37246   | 0.58%  | 0.029% |
| 262 | 14.317 | 14.296 | 14.337 | HH | 1604   | 32265   | 0.50%  | 0.025% |
| 263 | 14.370 | 14.337 | 14.406 | HH | 5155   | 123405  | 1.91%  | 0.096% |
| 264 | 14.428 | 14.406 | 14.454 | HH | 7385   | 121897  | 1.89%  | 0.094% |
| 265 | 14.467 | 14.454 | 14.527 | HH | 2506   | 89037   | 1.38%  | 0.069% |
| 266 | 14.550 | 14.527 | 14.570 | HH | 2485   | 52628   | 0.82%  | 0.041% |
| 267 | 14.590 | 14.570 | 14.621 | HH | 3611   | 77651   | 1.20%  | 0.060% |
| 268 | 14.629 | 14.621 | 14.669 | HH | 2124   | 53591   | 0.83%  | 0.041% |
| 269 | 14.704 | 14.669 | 14.742 | HH | 164804 | 2298396 | 35.61% | 1.780% |
| 270 | 14.756 | 14.742 | 14.801 | HH | 3571   | 88571   | 1.37%  | 0.069% |
| 271 | 14.864 | 14.801 | 14.877 | HH | 7135   | 160121  | 2.48%  | 0.124% |
| 272 | 14.909 | 14.877 | 14.943 | HH | 328835 | 4330095 | 67.08% | 3.353% |
| 273 | 14.955 | 14.943 | 14.994 | HH | 3881   | 86524   | 1.34%  | 0.067% |
| 274 | 15.021 | 14.994 | 15.036 | HH | 2762   | 62553   | 0.97%  | 0.048% |
| 275 | 15.044 | 15.036 | 15.076 | HH | 2524   | 58025   | 0.90%  | 0.045% |
| 276 | 15.111 | 15.076 | 15.131 | HH | 3023   | 84254   | 1.31%  | 0.065% |
| 277 | 15.151 | 15.131 | 15.161 | HH | 2457   | 43131   | 0.67%  | 0.033% |
| 278 | 15.176 | 15.161 | 15.189 | HH | 2690   | 43357   | 0.67%  | 0.034% |
| 279 | 15.205 | 15.189 | 15.232 | HH | 2756   | 68200   | 1.06%  | 0.053% |
| 280 | 15.379 | 15.368 | 15.400 | HH | 3426   | 62162   | 0.96%  | 0.048% |
| 281 | 15.429 | 15.400 | 15.469 | HH | 7153   | 195188  | 3.02%  | 0.151% |
| 282 | 15.504 | 15.469 | 15.526 | HH | 10241  | 207194  | 3.21%  | 0.160% |
| 283 | 15.538 | 15.526 | 15.596 | HH | 4591   | 167855  | 2.60%  | 0.130% |
| 284 | 15.612 | 15.596 | 15.631 | HH | 3524   | 70020   | 1.08%  | 0.054% |
| 285 | 15.696 | 15.631 | 15.739 | HH | 4322   | 248900  | 3.86%  | 0.193% |
| 286 | 15.810 | 15.739 | 15.841 | HH | 5858   | 264145  | 4.09%  | 0.205% |
| 287 | 15.858 | 15.841 | 15.871 | HH | 4153   | 73249   | 1.13%  | 0.057% |
| 288 | 15.933 | 15.871 | 15.975 | HH | 309796 | 4246115 | 65.78% | 3.288% |
| 289 | 15.991 | 15.975 | 16.052 | HH | 5119   | 209436  | 3.24%  | 0.162% |
| 290 | 16.066 | 16.052 | 16.087 | HH | 4256   | 86105   | 1.33%  | 0.067% |
| 291 | 16.140 | 16.087 | 16.162 | HH | 4810   | 205791  | 3.19%  | 0.159% |
| 292 | 16.230 | 16.162 | 16.267 | HH | 7214   | 338239  | 5.24%  | 0.262% |
| 293 | 16.308 | 16.267 | 16.354 | HH | 15224  | 446081  | 6.91%  | 0.345% |
| 294 | 16.422 | 16.354 | 16.474 | HH | 14420  | 605280  | 9.38%  | 0.469% |
| 295 | 16.496 | 16.474 | 16.524 | HH | 9839   | 234281  | 3.63%  | 0.181% |
| 296 | 16.552 | 16.524 | 16.619 | HH | 9437   | 402822  | 6.24%  | 0.312% |
| 297 | 16.712 | 16.619 | 16.727 | HH | 8187   | 451519  | 6.99%  | 0.350% |
| 298 | 16.749 | 16.727 | 16.779 | HH | 10651  | 271761  | 4.21%  | 0.210% |
| 299 | 16.810 | 16.779 | 16.835 | HH | 11859  | 312593  | 4.84%  | 0.242% |

|     |        |        |        |    |        |         |         |        |
|-----|--------|--------|--------|----|--------|---------|---------|--------|
|     |        |        |        |    | rteres |         |         |        |
| 300 | 16.886 | 16.835 | 16.917 | HH | 297589 | 4256634 | 65.94%  | 3.296% |
| 301 | 16.931 | 16.917 | 16.951 | HH | 13986  | 243094  | 3.77%   | 0.188% |
| 302 | 16.962 | 16.951 | 16.989 | HH | 10837  | 212960  | 3.30%   | 0.165% |
| 303 | 17.027 | 16.989 | 17.035 | HH | 7974   | 218810  | 3.39%   | 0.169% |
| 304 | 17.143 | 17.035 | 17.156 | HH | 8963   | 599339  | 9.28%   | 0.464% |
| 305 | 17.172 | 17.156 | 17.185 | HH | 8697   | 153265  | 2.37%   | 0.119% |
| 306 | 17.214 | 17.185 | 17.227 | HH | 9939   | 236923  | 3.67%   | 0.183% |
| 307 | 17.418 | 17.387 | 17.442 | HH | 11033  | 333743  | 5.17%   | 0.258% |
| 308 | 17.472 | 17.442 | 17.493 | HH | 10228  | 305069  | 4.73%   | 0.236% |
| 309 | 17.513 | 17.493 | 17.534 | HH | 10037  | 241198  | 3.74%   | 0.187% |
| 310 | 17.613 | 17.534 | 17.621 | HH | 10535  | 520572  | 8.06%   | 0.403% |
| 311 | 17.630 | 17.621 | 17.644 | HH | 10430  | 145477  | 2.25%   | 0.113% |
| 312 | 17.775 | 17.644 | 17.829 | HH | 286930 | 5079226 | 78.69%  | 3.933% |
| 313 | 17.863 | 17.829 | 17.886 | HH | 17736  | 493675  | 7.65%   | 0.382% |
| 314 | 17.896 | 17.886 | 17.907 | HH | 12883  | 165515  | 2.56%   | 0.128% |
| 315 | 17.926 | 17.907 | 17.944 | HH | 13908  | 294681  | 4.57%   | 0.228% |
| 316 | 18.294 | 18.252 | 18.397 | HH | 18209  | 1369057 | 21.21%  | 1.060% |
| 317 | 18.445 | 18.397 | 18.469 | HH | 17948  | 694912  | 10.77%  | 0.538% |
| 318 | 18.502 | 18.469 | 18.529 | HH | 17002  | 581963  | 9.02%   | 0.451% |
| 319 | 18.610 | 18.529 | 18.666 | HH | 280843 | 5264126 | 81.55%  | 4.076% |
| 320 | 18.709 | 18.666 | 18.757 | HH | 33220  | 1310148 | 20.30%  | 1.015% |
| 321 | 18.766 | 18.757 | 18.829 | HH | 21759  | 834001  | 12.92%  | 0.646% |
| 322 | 18.898 | 18.829 | 18.915 | HH | 20044  | 996635  | 15.44%  | 0.772% |
| 323 | 19.258 | 19.227 | 19.287 | HH | 28191  | 927214  | 14.36%  | 0.718% |
| 324 | 19.303 | 19.287 | 19.336 | HH | 26153  | 734901  | 11.38%  | 0.569% |
| 325 | 19.395 | 19.336 | 19.439 | HH | 260542 | 4980576 | 77.16%  | 3.857% |
| 326 | 19.463 | 19.439 | 19.482 | HH | 31147  | 731782  | 11.34%  | 0.567% |
| 327 | 19.502 | 19.482 | 19.545 | HH | 32692  | 1090420 | 16.89%  | 0.844% |
| 328 | 19.576 | 19.545 | 19.602 | HH | 29213  | 948126  | 14.69%  | 0.734% |
| 329 | 19.618 | 19.602 | 19.644 | HH | 27194  | 663373  | 10.28%  | 0.514% |
| 330 | 19.680 | 19.644 | 19.716 | HH | 29586  | 1210526 | 18.75%  | 0.937% |
| 331 | 19.764 | 19.716 | 19.844 | HH | 38752  | 2409052 | 37.32%  | 1.866% |
| 332 | 20.017 | 19.844 | 20.051 | HH | 35984  | 3856402 | 59.74%  | 2.986% |
| 333 | 20.074 | 20.051 | 20.097 | HH | 40378  | 1008722 | 15.63%  | 0.781% |
| 334 | 20.137 | 20.097 | 20.202 | HH | 257588 | 5483491 | 84.95%  | 4.246% |
| 335 | 20.302 | 20.302 | 20.444 | M  | 1882   | 2065    | 0.03%   | 0.002% |
| 336 | 20.540 | 20.531 | 20.573 | HH | 39371  | 976236  | 15.12%  | 0.756% |
| 337 | 20.595 | 20.573 | 20.641 | HH | 38900  | 1569810 | 24.32%  | 1.216% |
| 338 | 20.660 | 20.641 | 20.725 | HH | 38977  | 1930047 | 29.90%  | 1.495% |
| 339 | 20.811 | 20.725 | 20.841 | HH | 38092  | 2599993 | 40.28%  | 2.013% |
| 340 | 20.888 | 20.841 | 20.984 | HH | 224035 | 6455084 | 100.00% | 4.999% |
| 341 | 20.993 | 20.984 | 21.012 | HH | 36429  | 614928  | 9.53%   | 0.476% |
| 342 | 21.025 | 21.012 | 21.056 | HH | 36306  | 937963  | 14.53%  | 0.726% |
| 343 | 21.058 | 21.056 | 21.079 | HH | 36135  | 504512  | 7.82%   | 0.391% |
| 344 | 21.082 | 21.079 | 21.109 | HH | 36246  | 649516  | 10.06%  | 0.503% |
| 345 | 21.147 | 21.109 | 21.169 | HH | 36313  | 1298854 | 20.12%  | 1.006% |
| 346 | 21.217 | 21.169 | 21.284 | HH | 36461  | 2475351 | 38.35%  | 1.917% |
| 347 | 21.317 | 21.284 | 21.364 | HH | 36984  | 1729287 | 26.79%  | 1.339% |
| 348 | 21.401 | 21.364 | 21.451 | HH | 36052  | 1857190 | 28.77%  | 1.438% |
| 349 | 21.462 | 21.451 | 21.506 | HH | 35626  | 1173008 | 18.17%  | 0.908% |
| 350 | 21.516 | 21.506 | 21.546 | HH | 35613  | 849848  | 13.17%  | 0.658% |
| 351 | 21.553 | 21.546 | 21.621 | HH | 35371  | 1582874 | 24.52%  | 1.226% |

|     |        |        |        |     |        |                         |        |           |
|-----|--------|--------|--------|-----|--------|-------------------------|--------|-----------|
|     |        |        |        |     |        | rteres                  |        |           |
| 352 | 21.698 | 21.621 | 21.755 | HH  | 38721  | 2915040                 | 45.16% | 2.257%    |
| 353 | 21.817 | 21.755 | 21.891 | HHA | 168994 | 6135556                 | 95.05% | 4.751%    |
|     |        |        |        |     |        | Sum of corrected areas: |        | 129135811 |

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