

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG061518\  
 Data File : FG001350.D  
 Signal(s) : FID1A.ch  
 Acq On : 16 Jun 2018 02:43  
 Sample : J3524-01 5X  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\PESTPCBSRV\HPCHEM1\FID\_G\Method\FG060118.M  
 Title :

Signal : FID1A.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         | 2.190       | 2.165        | 2.242      | BH       | 69             | -2739        | -0.03%         | -0.001%       |
| 2         | 2.255       | 2.242        | 2.275      | PH       | -63            | -2494        | -0.02%         | -0.001%       |
| 3         | 2.279       | 2.275        | 2.286      | PH       | -81            | -791         | -0.01%         | -0.000%       |
| 4         | 2.297       | 2.286        | 2.335      | PH       | -86            | -3571        | -0.03%         | -0.001%       |
| 5         | 2.377       | 2.335        | 2.398      | PH       | -24            | -3539        | -0.03%         | -0.001%       |
| 6         | 2.425       | 2.398        | 2.448      | PH       | -44            | -2720        | -0.03%         | -0.001%       |
| 7         | 2.460       | 2.448        | 2.501      | PH       | 25             | -1804        | -0.02%         | -0.001%       |
| 8         | 2.513       | 2.501        | 2.525      | PH       | -36            | -1149        | -0.01%         | -0.000%       |
| 9         | 2.542       | 2.525        | 2.605      | PH       | 16             | -4835        | -0.05%         | -0.001%       |
| 10        | 2.609       | 2.605        | 2.616      | PH       | -100           | -880         | -0.01%         | -0.000%       |
| 11        | 2.642       | 2.616        | 2.698      | PH       | 80             | -3884        | -0.04%         | -0.001%       |
| 12        | 2.733       | 2.698        | 2.781      | PH       | 161            | -3394        | -0.03%         | -0.001%       |
| 13        | 2.792       | 2.781        | 2.799      | PH       | -87            | -1450        | -0.01%         | -0.000%       |
| 14        | 2.806       | 2.799        | 2.814      | PH       | -94            | -1175        | -0.01%         | -0.000%       |
| 15        | 2.839       | 2.814        | 2.876      | PH       | -13            | -4131        | -0.04%         | -0.001%       |
| 16        | 2.912       | 2.876        | 2.936      | PH       | 284            | 378          | 0.00%          | 0.000%        |
| 17        | 2.957       | 2.936        | 2.981      | PH       | 121            | -467         | -0.00%         | -0.000%       |
| 18        | 2.996       | 2.981        | 3.009      | PH       | 18             | -609         | -0.01%         | -0.000%       |
| 19        | 3.022       | 3.009        | 3.078      | PH       | 2              | -3735        | -0.04%         | -0.001%       |
| 20        | 3.099       | 3.078        | 3.142      | PH       | 38             | -2934        | -0.03%         | -0.001%       |
| 21        | 3.166       | 3.142        | 3.190      | PH       | -47            | -2998        | -0.03%         | -0.001%       |
| 22        | 3.208       | 3.190        | 3.302      | PH       | 214            | -7362        | -0.07%         | -0.002%       |
| 23        | 3.330       | 3.302        | 3.349      | PH       | -111           | -4334        | -0.04%         | -0.001%       |
| 24        | 3.357       | 3.349        | 3.367      | PH       | -95            | -1804        | -0.02%         | -0.001%       |
| 25        | 3.411       | 3.367        | 3.429      | PH       | -101           | -6686        | -0.06%         | -0.002%       |
| 26        | 3.472       | 3.429        | 3.482      | PH       | -59            | -5196        | -0.05%         | -0.001%       |
| 27        | 3.505       | 3.482        | 3.558      | PH       | 1037           | 4618         | 0.04%          | 0.001%        |
| 28        | 3.580       | 3.558        | 3.622      | PH       | 17             | -3298        | -0.03%         | -0.001%       |
| 29        | 3.634       | 3.622        | 3.678      | PH       | -6             | -3680        | -0.04%         | -0.001%       |
| 30        | 3.701       | 3.678        | 3.732      | PH       | 79             | -2498        | -0.02%         | -0.001%       |
| 31        | 3.745       | 3.732        | 3.764      | PH       | -37            | -2893        | -0.03%         | -0.001%       |
| 32        | 3.785       | 3.764        | 3.848      | PH       | 77             | -7105        | -0.07%         | -0.002%       |
| 33        | 3.884       | 3.848        | 3.962      | PH       | 1589           | 20770        | 0.20%          | 0.006%        |
| 34        | 3.970       | 3.962        | 3.993      | HH       | 172            | -409         | -0.00%         | -0.000%       |
| 35        | 4.038       | 3.993        | 4.066      | PH       | 451            | 5366         | 0.05%          | 0.001%        |
| 36        | 4.077       | 4.066        | 4.163      | PH       | 133            | -4609        | -0.04%         | -0.001%       |

|    |       |       |       |    | rteres |       |        |         |
|----|-------|-------|-------|----|--------|-------|--------|---------|
| 37 | 4.173 | 4.163 | 4.203 | PH | -122   | -3768 | -0.04% | -0.001% |
| 38 | 4.228 | 4.203 | 4.253 | PH | -70    | -4704 | -0.05% | -0.001% |
| 39 | 4.277 | 4.253 | 4.302 | PH | 577    | 2408  | 0.02%  | 0.001%  |
| 40 | 4.316 | 4.302 | 4.332 | PH | 82     | -949  | -0.01% | -0.000% |
|    |       |       |       |    |        |       |        |         |
| 41 | 4.346 | 4.332 | 4.365 | PH | -38    | -1851 | -0.02% | -0.001% |
| 42 | 4.377 | 4.365 | 4.403 | PH | -39    | -2929 | -0.03% | -0.001% |
| 43 | 4.423 | 4.403 | 4.452 | PH | 535    | 2048  | 0.02%  | 0.001%  |
| 44 | 4.477 | 4.452 | 4.514 | PH | 242    | 1542  | 0.01%  | 0.000%  |
| 45 | 4.531 | 4.514 | 4.546 | PH | 213    | 148   | 0.00%  | 0.000%  |
|    |       |       |       |    |        |       |        |         |
| 46 | 4.557 | 4.546 | 4.571 | PH | -25    | -1360 | -0.01% | -0.000% |
| 47 | 4.584 | 4.571 | 4.596 | PH | -103   | -1943 | -0.02% | -0.001% |
| 48 | 4.611 | 4.596 | 4.634 | PH | -46    | -2057 | -0.02% | -0.001% |
| 49 | 4.650 | 4.634 | 4.668 | PH | 54     | -1274 | -0.01% | -0.000% |
| 50 | 4.690 | 4.668 | 4.712 | PH | 26     | -2412 | -0.02% | -0.001% |
|    |       |       |       |    |        |       |        |         |
| 51 | 4.735 | 4.712 | 4.777 | PH | 125    | -2942 | -0.03% | -0.001% |
| 52 | 4.798 | 4.777 | 4.822 | PH | -105   | -5086 | -0.05% | -0.001% |
| 53 | 4.831 | 4.822 | 4.841 | PH | -205   | -2690 | -0.03% | -0.001% |
| 54 | 4.887 | 4.841 | 4.898 | PH | -75    | -6043 | -0.06% | -0.002% |
| 55 | 4.913 | 4.898 | 4.936 | PH | 40     | -1661 | -0.02% | -0.000% |
|    |       |       |       |    |        |       |        |         |
| 56 | 4.955 | 4.936 | 4.975 | PH | 153    | -148  | -0.00% | -0.000% |
| 57 | 4.989 | 4.975 | 5.002 | PH | 171    | -385  | -0.00% | -0.000% |
| 58 | 5.016 | 5.002 | 5.062 | PH | 100    | -3456 | -0.03% | -0.001% |
| 59 | 5.132 | 5.062 | 5.158 | PH | 55     | -8073 | -0.08% | -0.002% |
| 60 | 5.173 | 5.158 | 5.188 | PH | -32    | -1400 | -0.01% | -0.000% |
|    |       |       |       |    |        |       |        |         |
| 61 | 5.199 | 5.188 | 5.227 | PH | 65     | -2974 | -0.03% | -0.001% |
| 62 | 5.257 | 5.227 | 5.282 | PH | -109   | -6479 | -0.06% | -0.002% |
| 63 | 5.312 | 5.282 | 5.358 | PH | 1324   | 11581 | 0.11%  | 0.003%  |
| 64 | 5.373 | 5.358 | 5.410 | PH | 117    | -3353 | -0.03% | -0.001% |
| 65 | 5.429 | 5.410 | 5.447 | PH | -202   | -5163 | -0.05% | -0.001% |
|    |       |       |       |    |        |       |        |         |
| 66 | 5.491 | 5.447 | 5.518 | PH | 440    | 264   | 0.00%  | 0.000%  |
| 67 | 5.527 | 5.518 | 5.545 | PH | -136   | -3320 | -0.03% | -0.001% |
| 68 | 5.590 | 5.545 | 5.628 | PH | 365    | 3931  | 0.04%  | 0.001%  |
| 69 | 5.641 | 5.628 | 5.664 | PH | 75     | -873  | -0.01% | -0.000% |
| 70 | 5.679 | 5.664 | 5.697 | PH | 139    | -1043 | -0.01% | -0.000% |
|    |       |       |       |    |        |       |        |         |
| 71 | 5.724 | 5.697 | 5.739 | PH | -63    | -3431 | -0.03% | -0.001% |
| 72 | 5.760 | 5.739 | 5.780 | PH | 200    | -1069 | -0.01% | -0.000% |
| 73 | 5.817 | 5.780 | 5.831 | PH | 119    | -2025 | -0.02% | -0.001% |
| 74 | 5.853 | 5.831 | 5.888 | PH | 4845   | 48370 | 0.47%  | 0.013%  |
| 75 | 5.904 | 5.888 | 5.928 | HH | 255    | 1281  | 0.01%  | 0.000%  |
|    |       |       |       |    |        |       |        |         |
| 76 | 5.950 | 5.928 | 5.970 | PH | 264    | 859   | 0.01%  | 0.000%  |
| 77 | 5.992 | 5.970 | 6.005 | PH | 450    | 4043  | 0.04%  | 0.001%  |
| 78 | 6.014 | 6.005 | 6.052 | HH | 366    | 4619  | 0.04%  | 0.001%  |
| 79 | 6.068 | 6.052 | 6.105 | PH | 319    | 2263  | 0.02%  | 0.001%  |
| 80 | 6.125 | 6.105 | 6.158 | PH | 147    | 2078  | 0.02%  | 0.001%  |
|    |       |       |       |    |        |       |        |         |
| 81 | 6.220 | 6.158 | 6.255 | PH | 402    | 9312  | 0.09%  | 0.003%  |
| 82 | 6.292 | 6.255 | 6.365 | HH | 1921   | 23689 | 0.23%  | 0.007%  |
| 83 | 6.376 | 6.365 | 6.392 | PH | 50     | -286  | -0.00% | -0.000% |
| 84 | 6.405 | 6.392 | 6.425 | PH | 89     | 726   | 0.01%  | 0.000%  |
| 85 | 6.440 | 6.425 | 6.462 | PH | 705    | 6348  | 0.06%  | 0.002%  |
|    |       |       |       |    |        |       |        |         |
| 86 | 6.480 | 6.462 | 6.501 | PH | 278    | 1756  | 0.02%  | 0.000%  |
| 87 | 6.565 | 6.501 | 6.588 | PH | 392    | -352  | -0.00% | -0.000% |
| 88 | 6.610 | 6.588 | 6.657 | PH | 322    | 2809  | 0.03%  | 0.001%  |
| 89 | 6.685 | 6.657 | 6.706 | PH | 943    | 8870  | 0.09%  | 0.002%  |

|     |       |       |       |    |        |        |        |         |
|-----|-------|-------|-------|----|--------|--------|--------|---------|
|     |       |       |       |    | rteres |        |        |         |
| 90  | 6.716 | 6.706 | 6.737 | PH | 19     | -388   | -0.00% | -0.000% |
| 91  | 6.808 | 6.737 | 6.827 | PH | 621    | 12559  | 0.12%  | 0.004%  |
| 92  | 6.847 | 6.827 | 6.873 | HH | 671    | 8747   | 0.08%  | 0.002%  |
| 93  | 6.907 | 6.873 | 6.937 | PH | 4479   | 54960  | 0.53%  | 0.015%  |
| 94  | 6.951 | 6.937 | 6.969 | HH | 444    | 5656   | 0.05%  | 0.002%  |
| 95  | 6.993 | 6.969 | 7.020 | HH | 1312   | 18686  | 0.18%  | 0.005%  |
| 96  | 7.041 | 7.020 | 7.072 | HH | 3757   | 40313  | 0.39%  | 0.011%  |
| 97  | 7.089 | 7.072 | 7.145 | HH | 451    | 10494  | 0.10%  | 0.003%  |
| 98  | 7.190 | 7.145 | 7.197 | HH | 1041   | 15013  | 0.15%  | 0.004%  |
| 99  | 7.214 | 7.197 | 7.238 | HH | 2687   | 31978  | 0.31%  | 0.009%  |
| 100 | 7.253 | 7.238 | 7.315 | HH | 350    | 12178  | 0.12%  | 0.003%  |
| 101 | 7.340 | 7.315 | 7.359 | HH | 185    | 3870   | 0.04%  | 0.001%  |
| 102 | 7.386 | 7.359 | 7.422 | HH | 919    | 17320  | 0.17%  | 0.005%  |
| 103 | 7.434 | 7.422 | 7.462 | HH | 383    | 4374   | 0.04%  | 0.001%  |
| 104 | 7.496 | 7.462 | 7.512 | PH | 374    | 6882   | 0.07%  | 0.002%  |
| 105 | 7.522 | 7.512 | 7.532 | HH | 425    | 4335   | 0.04%  | 0.001%  |
| 106 | 7.545 | 7.532 | 7.562 | HH | 503    | 6332   | 0.06%  | 0.002%  |
| 107 | 7.578 | 7.562 | 7.608 | HH | 351    | 6731   | 0.07%  | 0.002%  |
| 108 | 7.636 | 7.608 | 7.655 | HH | 1190   | 18633  | 0.18%  | 0.005%  |
| 109 | 7.674 | 7.655 | 7.710 | HH | 689    | 18338  | 0.18%  | 0.005%  |
| 110 | 7.733 | 7.710 | 7.754 | HH | 695    | 12152  | 0.12%  | 0.003%  |
| 111 | 7.784 | 7.754 | 7.799 | HH | 1627   | 25956  | 0.25%  | 0.007%  |
| 112 | 7.812 | 7.799 | 7.824 | HH | 1467   | 17899  | 0.17%  | 0.005%  |
| 113 | 7.834 | 7.824 | 7.862 | HH | 1365   | 19208  | 0.19%  | 0.005%  |
| 114 | 7.902 | 7.862 | 7.938 | HH | 2739   | 63600  | 0.62%  | 0.018%  |
| 115 | 7.958 | 7.938 | 7.968 | HH | 824    | 12536  | 0.12%  | 0.003%  |
| 116 | 8.001 | 7.968 | 8.017 | HH | 4069   | 61678  | 0.60%  | 0.017%  |
| 117 | 8.029 | 8.017 | 8.045 | HH | 2876   | 35063  | 0.34%  | 0.010%  |
| 118 | 8.083 | 8.045 | 8.107 | HH | 4430   | 79605  | 0.77%  | 0.022%  |
| 119 | 8.139 | 8.107 | 8.163 | HH | 9506   | 126187 | 1.23%  | 0.035%  |
| 120 | 8.183 | 8.163 | 8.215 | HH | 4350   | 74955  | 0.73%  | 0.021%  |
| 121 | 8.236 | 8.215 | 8.254 | HH | 1955   | 30628  | 0.30%  | 0.009%  |
| 122 | 8.272 | 8.254 | 8.286 | HH | 1587   | 24891  | 0.24%  | 0.007%  |
| 123 | 8.297 | 8.286 | 8.348 | HH | 1353   | 35851  | 0.35%  | 0.010%  |
| 124 | 8.370 | 8.348 | 8.394 | HH | 758    | 18644  | 0.18%  | 0.005%  |
| 125 | 8.478 | 8.394 | 8.515 | HH | 5266   | 115916 | 1.13%  | 0.032%  |
| 126 | 8.530 | 8.515 | 8.560 | HH | 2391   | 46247  | 0.45%  | 0.013%  |
| 127 | 8.619 | 8.560 | 8.651 | HH | 3200   | 91619  | 0.89%  | 0.026%  |
| 128 | 8.671 | 8.651 | 8.685 | HH | 1453   | 24070  | 0.23%  | 0.007%  |
| 129 | 8.719 | 8.685 | 8.735 | HH | 2464   | 48949  | 0.48%  | 0.014%  |
| 130 | 8.752 | 8.735 | 8.779 | HH | 3167   | 53544  | 0.52%  | 0.015%  |
| 131 | 8.842 | 8.779 | 8.872 | HH | 1682   | 77565  | 0.75%  | 0.022%  |
| 132 | 8.904 | 8.872 | 8.971 | HH | 6231   | 155429 | 1.51%  | 0.043%  |
| 133 | 8.989 | 8.971 | 9.013 | HH | 1517   | 30424  | 0.30%  | 0.008%  |
| 134 | 9.044 | 9.013 | 9.062 | HH | 2495   | 47161  | 0.46%  | 0.013%  |
| 135 | 9.076 | 9.062 | 9.111 | HH | 1990   | 41623  | 0.40%  | 0.012%  |
| 136 | 9.127 | 9.111 | 9.148 | HH | 1759   | 30219  | 0.29%  | 0.008%  |
| 137 | 9.181 | 9.148 | 9.208 | HH | 2508   | 60542  | 0.59%  | 0.017%  |
| 138 | 9.225 | 9.208 | 9.242 | HH | 1534   | 29421  | 0.29%  | 0.008%  |
| 139 | 9.262 | 9.242 | 9.312 | HH | 6158   | 130010 | 1.26%  | 0.036%  |
| 140 | 9.341 | 9.312 | 9.356 | HH | 3004   | 56800  | 0.55%  | 0.016%  |
| 141 | 9.364 | 9.356 | 9.390 | HH | 2373   | 40219  | 0.39%  | 0.011%  |

|     |        |        |        |    | rteres |        |       |        |
|-----|--------|--------|--------|----|--------|--------|-------|--------|
| 142 | 9.410  | 9.390  | 9.429  | HH | 2997   | 52544  | 0.51% | 0.015% |
| 143 | 9.467  | 9.429  | 9.489  | HH | 2631   | 73282  | 0.71% | 0.020% |
| 144 | 9.518  | 9.489  | 9.542  | HH | 1914   | 50644  | 0.49% | 0.014% |
| 145 | 9.585  | 9.542  | 9.612  | HH | 2522   | 78764  | 0.76% | 0.022% |
|     |        |        |        |    |        |        |       |        |
| 146 | 9.637  | 9.612  | 9.656  | HH | 2261   | 51825  | 0.50% | 0.014% |
| 147 | 9.683  | 9.656  | 9.725  | HH | 8773   | 150741 | 1.46% | 0.042% |
| 148 | 9.744  | 9.725  | 9.764  | HH | 1804   | 39617  | 0.38% | 0.011% |
| 149 | 9.784  | 9.764  | 9.812  | HH | 1965   | 47858  | 0.46% | 0.013% |
| 150 | 9.849  | 9.812  | 9.900  | HH | 2038   | 84840  | 0.82% | 0.024% |
|     |        |        |        |    |        |        |       |        |
| 151 | 9.927  | 9.900  | 9.937  | HH | 1520   | 31579  | 0.31% | 0.009% |
| 152 | 9.952  | 9.937  | 9.988  | HH | 1846   | 49748  | 0.48% | 0.014% |
| 153 | 10.008 | 9.988  | 10.019 | HH | 2306   | 36175  | 0.35% | 0.010% |
| 154 | 10.030 | 10.019 | 10.042 | HH | 2268   | 30134  | 0.29% | 0.008% |
| 155 | 10.070 | 10.042 | 10.095 | HH | 4355   | 94589  | 0.92% | 0.026% |
|     |        |        |        |    |        |        |       |        |
| 156 | 10.119 | 10.095 | 10.127 | HH | 3184   | 50511  | 0.49% | 0.014% |
| 157 | 10.143 | 10.127 | 10.167 | HH | 3714   | 76120  | 0.74% | 0.021% |
| 158 | 10.182 | 10.167 | 10.194 | HH | 3171   | 46543  | 0.45% | 0.013% |
| 159 | 10.209 | 10.194 | 10.238 | HH | 3166   | 69079  | 0.67% | 0.019% |
| 160 | 10.262 | 10.238 | 10.294 | HH | 4865   | 109169 | 1.06% | 0.030% |
|     |        |        |        |    |        |        |       |        |
| 161 | 10.323 | 10.294 | 10.342 | HH | 5548   | 110387 | 1.07% | 0.031% |
| 162 | 10.352 | 10.342 | 10.367 | HH | 3977   | 53540  | 0.52% | 0.015% |
| 163 | 10.422 | 10.367 | 10.444 | HH | 8654   | 213341 | 2.07% | 0.059% |
| 164 | 10.491 | 10.444 | 10.567 | HH | 6999   | 312260 | 3.03% | 0.087% |
| 165 | 10.584 | 10.567 | 10.608 | HH | 4272   | 78864  | 0.77% | 0.022% |
|     |        |        |        |    |        |        |       |        |
| 166 | 10.660 | 10.608 | 10.711 | HH | 36940  | 572301 | 5.56% | 0.160% |
| 167 | 10.735 | 10.711 | 10.783 | HH | 11763  | 226593 | 2.20% | 0.063% |
| 168 | 10.807 | 10.783 | 10.829 | HH | 3286   | 84671  | 0.82% | 0.024% |
| 169 | 10.838 | 10.829 | 10.855 | HH | 2882   | 42197  | 0.41% | 0.012% |
| 170 | 10.877 | 10.855 | 10.895 | HH | 2971   | 65990  | 0.64% | 0.018% |
|     |        |        |        |    |        |        |       |        |
| 171 | 10.923 | 10.895 | 10.937 | HH | 2945   | 70216  | 0.68% | 0.020% |
| 172 | 10.958 | 10.937 | 10.995 | HH | 5052   | 127979 | 1.24% | 0.036% |
| 173 | 11.019 | 10.995 | 11.037 | HH | 2963   | 72334  | 0.70% | 0.020% |
| 174 | 11.056 | 11.037 | 11.082 | HH | 3397   | 82804  | 0.80% | 0.023% |
| 175 | 11.090 | 11.082 | 11.098 | HH | 3088   | 29745  | 0.29% | 0.008% |
|     |        |        |        |    |        |        |       |        |
| 176 | 11.123 | 11.098 | 11.166 | HH | 8006   | 185661 | 1.80% | 0.052% |
| 177 | 11.213 | 11.166 | 11.242 | HH | 5770   | 196350 | 1.91% | 0.055% |
| 178 | 11.260 | 11.242 | 11.288 | HH | 3435   | 87318  | 0.85% | 0.024% |
| 179 | 11.315 | 11.288 | 11.338 | HH | 5070   | 114665 | 1.11% | 0.032% |
| 180 | 11.356 | 11.338 | 11.378 | HH | 3622   | 79900  | 0.78% | 0.022% |
|     |        |        |        |    |        |        |       |        |
| 181 | 11.420 | 11.378 | 11.434 | HH | 3846   | 115505 | 1.12% | 0.032% |
| 182 | 11.463 | 11.434 | 11.478 | HH | 8199   | 147558 | 1.43% | 0.041% |
| 183 | 11.494 | 11.478 | 11.516 | HH | 9314   | 149293 | 1.45% | 0.042% |
| 184 | 11.526 | 11.516 | 11.541 | HH | 4524   | 62546  | 0.61% | 0.017% |
| 185 | 11.576 | 11.541 | 11.595 | HH | 8577   | 193763 | 1.88% | 0.054% |
|     |        |        |        |    |        |        |       |        |
| 186 | 11.611 | 11.595 | 11.626 | HH | 7685   | 112486 | 1.09% | 0.031% |
| 187 | 11.642 | 11.626 | 11.703 | HH | 7716   | 217314 | 2.11% | 0.061% |
| 188 | 11.728 | 11.703 | 11.745 | HH | 4269   | 96439  | 0.94% | 0.027% |
| 189 | 11.793 | 11.745 | 11.813 | HH | 8996   | 230002 | 2.23% | 0.064% |
| 190 | 11.827 | 11.813 | 11.903 | HH | 5624   | 255891 | 2.48% | 0.071% |
|     |        |        |        |    |        |        |       |        |
| 191 | 11.937 | 11.903 | 11.976 | HH | 6312   | 207362 | 2.01% | 0.058% |
| 192 | 11.998 | 11.976 | 12.017 | HH | 5501   | 117581 | 1.14% | 0.033% |
| 193 | 12.039 | 12.017 | 12.098 | HH | 11212  | 317661 | 3.08% | 0.089% |
| 194 | 12.113 | 12.098 | 12.124 | HH | 5083   | 75748  | 0.74% | 0.021% |

|     |        |        |        |    |        |        |       |        |
|-----|--------|--------|--------|----|--------|--------|-------|--------|
|     |        |        |        |    | rteres |        |       |        |
| 195 | 12.143 | 12.124 | 12.158 | HH | 5721   | 109730 | 1.07% | 0.031% |
| 196 | 12.182 | 12.158 | 12.195 | HH | 5564   | 117126 | 1.14% | 0.033% |
| 197 | 12.207 | 12.195 | 12.235 | HH | 5888   | 131984 | 1.28% | 0.037% |
| 198 | 12.256 | 12.235 | 12.305 | HH | 6873   | 246085 | 2.39% | 0.069% |
| 199 | 12.316 | 12.305 | 12.336 | HH | 6280   | 109617 | 1.06% | 0.031% |
| 200 | 12.363 | 12.336 | 12.385 | HH | 9863   | 215558 | 2.09% | 0.060% |
| 201 | 12.400 | 12.385 | 12.411 | HH | 7009   | 103804 | 1.01% | 0.029% |
| 202 | 12.432 | 12.411 | 12.452 | HH | 12017  | 219802 | 2.13% | 0.061% |
| 203 | 12.478 | 12.452 | 12.520 | HH | 49879  | 739877 | 7.18% | 0.206% |
| 204 | 12.537 | 12.520 | 12.565 | HH | 5889   | 151889 | 1.47% | 0.042% |
| 205 | 12.578 | 12.565 | 12.593 | HH | 6094   | 99133  | 0.96% | 0.028% |
| 206 | 12.614 | 12.593 | 12.630 | HH | 7293   | 141097 | 1.37% | 0.039% |
| 207 | 12.665 | 12.630 | 12.682 | HH | 7391   | 207056 | 2.01% | 0.058% |
| 208 | 12.695 | 12.682 | 12.706 | HH | 7124   | 101342 | 0.98% | 0.028% |
| 209 | 12.721 | 12.706 | 12.745 | HH | 7276   | 158567 | 1.54% | 0.044% |
| 210 | 12.774 | 12.745 | 12.810 | HH | 45445  | 684470 | 6.65% | 0.191% |
| 211 | 12.834 | 12.810 | 12.849 | HH | 9928   | 197289 | 1.92% | 0.055% |
| 212 | 12.866 | 12.849 | 12.901 | HH | 10786  | 277462 | 2.69% | 0.077% |
| 213 | 12.920 | 12.901 | 12.935 | HH | 8386   | 158264 | 1.54% | 0.044% |
| 214 | 12.953 | 12.935 | 12.963 | HH | 8568   | 137833 | 1.34% | 0.038% |
| 215 | 12.976 | 12.963 | 13.007 | HH | 8641   | 206823 | 2.01% | 0.058% |
| 216 | 13.047 | 13.007 | 13.087 | HH | 14183  | 457815 | 4.45% | 0.128% |
| 217 | 13.112 | 13.087 | 13.154 | HH | 10907  | 366154 | 3.56% | 0.102% |
| 218 | 13.176 | 13.154 | 13.191 | HH | 9201   | 184814 | 1.79% | 0.052% |
| 219 | 13.205 | 13.191 | 13.217 | HH | 8895   | 134484 | 1.31% | 0.037% |
| 220 | 13.239 | 13.217 | 13.256 | HH | 10058  | 214508 | 2.08% | 0.060% |
| 221 | 13.273 | 13.256 | 13.308 | HH | 10408  | 294644 | 2.86% | 0.082% |
| 222 | 13.366 | 13.308 | 13.401 | HH | 15242  | 590189 | 5.73% | 0.165% |
| 223 | 13.435 | 13.401 | 13.450 | HH | 9539   | 274429 | 2.66% | 0.077% |
| 224 | 13.475 | 13.450 | 13.496 | HH | 14275  | 317418 | 3.08% | 0.088% |
| 225 | 13.513 | 13.496 | 13.535 | HH | 12515  | 255172 | 2.48% | 0.071% |
| 226 | 13.549 | 13.535 | 13.582 | HH | 10892  | 294643 | 2.86% | 0.082% |
| 227 | 13.635 | 13.582 | 13.665 | HH | 17609  | 624274 | 6.06% | 0.174% |
| 228 | 13.683 | 13.665 | 13.705 | HH | 12868  | 272882 | 2.65% | 0.076% |
| 229 | 13.723 | 13.705 | 13.731 | HH | 10641  | 163492 | 1.59% | 0.046% |
| 230 | 13.739 | 13.731 | 13.754 | HH | 10624  | 143170 | 1.39% | 0.040% |
| 231 | 13.765 | 13.754 | 13.804 | HH | 10728  | 322116 | 3.13% | 0.090% |
| 232 | 13.852 | 13.804 | 13.908 | HH | 12106  | 712301 | 6.92% | 0.199% |
| 233 | 13.924 | 13.908 | 13.945 | HH | 11864  | 250953 | 2.44% | 0.070% |
| 234 | 13.990 | 13.945 | 14.002 | HH | 12142  | 399952 | 3.88% | 0.112% |
| 235 | 14.065 | 14.002 | 14.080 | HH | 13592  | 612335 | 5.95% | 0.171% |
| 236 | 14.104 | 14.080 | 14.165 | HH | 15780  | 713846 | 6.93% | 0.199% |
| 237 | 14.196 | 14.165 | 14.222 | HH | 18997  | 529313 | 5.14% | 0.148% |
| 238 | 14.247 | 14.222 | 14.268 | HH | 22894  | 505423 | 4.91% | 0.141% |
| 239 | 14.280 | 14.268 | 14.320 | HH | 18155  | 507348 | 4.93% | 0.141% |
| 240 | 14.343 | 14.320 | 14.368 | HH | 20225  | 489600 | 4.75% | 0.136% |
| 241 | 14.408 | 14.368 | 14.453 | HH | 18118  | 819548 | 7.96% | 0.228% |
| 242 | 14.474 | 14.453 | 14.492 | HH | 16712  | 368433 | 3.58% | 0.103% |
| 243 | 14.533 | 14.492 | 14.554 | HH | 27663  | 754960 | 7.33% | 0.210% |
| 244 | 14.572 | 14.554 | 14.597 | HH | 26563  | 549839 | 5.34% | 0.153% |
| 245 | 14.610 | 14.597 | 14.623 | HH | 17950  | 281585 | 2.73% | 0.079% |
| 246 | 14.656 | 14.623 | 14.676 | HH | 37337  | 792154 | 7.69% | 0.221% |

| rteres |        |        |        |    |       |         |        |        |
|--------|--------|--------|--------|----|-------|---------|--------|--------|
| 247    | 14.696 | 14.676 | 14.721 | HH | 38010 | 709836  | 6.89%  | 0.198% |
| 248    | 14.738 | 14.721 | 14.772 | HH | 22105 | 593712  | 5.76%  | 0.166% |
| 249    | 14.817 | 14.772 | 14.838 | HH | 22754 | 796055  | 7.73%  | 0.222% |
| 250    | 14.861 | 14.838 | 14.882 | HH | 20363 | 511916  | 4.97%  | 0.143% |
|        |        |        |        |    |       |         |        |        |
| 251    | 14.903 | 14.882 | 14.938 | HH | 19863 | 663228  | 6.44%  | 0.185% |
| 252    | 14.965 | 14.938 | 15.058 | HH | 21951 | 1470992 | 14.28% | 0.410% |
| 253    | 15.120 | 15.058 | 15.192 | HH | 27867 | 1807259 | 17.55% | 0.504% |
| 254    | 15.258 | 15.192 | 15.298 | HH | 26338 | 1458786 | 14.16% | 0.407% |
| 255    | 15.331 | 15.298 | 15.354 | HH | 28642 | 843196  | 8.19%  | 0.235% |
|        |        |        |        |    |       |         |        |        |
| 256    | 15.373 | 15.354 | 15.400 | HH | 25444 | 665931  | 6.47%  | 0.186% |
| 257    | 15.494 | 15.400 | 15.545 | HH | 27342 | 2142969 | 20.81% | 0.597% |
| 258    | 15.573 | 15.545 | 15.600 | HH | 26095 | 832743  | 8.09%  | 0.232% |
| 259    | 15.654 | 15.600 | 15.676 | HH | 27183 | 1192621 | 11.58% | 0.332% |
| 260    | 15.703 | 15.676 | 15.718 | HH | 27288 | 666516  | 6.47%  | 0.186% |
|        |        |        |        |    |       |         |        |        |
| 261    | 15.761 | 15.718 | 15.792 | HH | 33791 | 1288803 | 12.51% | 0.359% |
| 262    | 15.804 | 15.792 | 15.835 | HH | 28104 | 720032  | 6.99%  | 0.201% |
| 263    | 15.840 | 15.835 | 15.848 | HH | 27938 | 211726  | 2.06%  | 0.059% |
| 264    | 15.862 | 15.848 | 15.887 | HH | 28083 | 643781  | 6.25%  | 0.179% |
| 265    | 15.942 | 15.887 | 15.965 | HH | 31767 | 1388744 | 13.48% | 0.387% |
|        |        |        |        |    |       |         |        |        |
| 266    | 15.975 | 15.965 | 15.985 | HH | 30221 | 363894  | 3.53%  | 0.101% |
| 267    | 16.010 | 15.985 | 16.025 | HH | 30946 | 729348  | 7.08%  | 0.203% |
| 268    | 16.042 | 16.025 | 16.062 | HH | 32182 | 699412  | 6.79%  | 0.195% |
| 269    | 16.137 | 16.062 | 16.169 | HH | 35475 | 2136686 | 20.75% | 0.596% |
| 270    | 16.217 | 16.169 | 16.233 | HH | 54870 | 1586907 | 15.41% | 0.442% |
|        |        |        |        |    |       |         |        |        |
| 271    | 16.244 | 16.233 | 16.291 | HH | 48742 | 1373102 | 13.33% | 0.383% |
| 272    | 16.350 | 16.291 | 16.382 | HH | 41666 | 2067155 | 20.07% | 0.576% |
| 273    | 16.402 | 16.382 | 16.421 | HH | 40250 | 920700  | 8.94%  | 0.257% |
| 274    | 16.439 | 16.421 | 16.458 | HH | 40013 | 859556  | 8.35%  | 0.240% |
| 275    | 16.537 | 16.458 | 16.565 | HH | 52484 | 2734131 | 26.55% | 0.762% |
|        |        |        |        |    |       |         |        |        |
| 276    | 16.595 | 16.565 | 16.640 | HH | 56909 | 2010513 | 19.52% | 0.561% |
| 277    | 16.712 | 16.640 | 16.740 | HH | 51444 | 2679844 | 26.02% | 0.747% |
| 278    | 16.755 | 16.740 | 16.777 | HH | 46899 | 1019861 | 9.90%  | 0.284% |
| 279    | 16.803 | 16.777 | 16.817 | HH | 44096 | 1047361 | 10.17% | 0.292% |
| 280    | 16.889 | 16.817 | 16.898 | HH | 46504 | 2189606 | 21.26% | 0.610% |
|        |        |        |        |    |       |         |        |        |
| 281    | 16.943 | 16.898 | 16.986 | HH | 50071 | 2572161 | 24.97% | 0.717% |
| 282    | 17.009 | 16.986 | 17.044 | HH | 50917 | 1735875 | 16.85% | 0.484% |
| 283    | 17.106 | 17.044 | 17.142 | HH | 54132 | 3026700 | 29.39% | 0.844% |
| 284    | 17.163 | 17.142 | 17.205 | HH | 56985 | 2051844 | 19.92% | 0.572% |
| 285    | 17.221 | 17.205 | 17.238 | HH | 52687 | 1043903 | 10.14% | 0.291% |
|        |        |        |        |    |       |         |        |        |
| 286    | 17.262 | 17.238 | 17.290 | HH | 56628 | 1704123 | 16.55% | 0.475% |
| 287    | 17.327 | 17.290 | 17.349 | HH | 56558 | 1932273 | 18.76% | 0.539% |
| 288    | 17.359 | 17.349 | 17.365 | HH | 54056 | 510048  | 4.95%  | 0.142% |
| 289    | 17.383 | 17.365 | 17.407 | HH | 54934 | 1367571 | 13.28% | 0.381% |
| 290    | 17.423 | 17.407 | 17.431 | HH | 55796 | 796848  | 7.74%  | 0.222% |
|        |        |        |        |    |       |         |        |        |
| 291    | 17.448 | 17.431 | 17.461 | HH | 57027 | 1034214 | 10.04% | 0.288% |
| 292    | 17.496 | 17.461 | 17.508 | HH | 59821 | 1634610 | 15.87% | 0.456% |
| 293    | 17.598 | 17.508 | 17.622 | HH | 70888 | 4302823 | 41.78% | 1.200% |
| 294    | 17.639 | 17.622 | 17.657 | HH | 63298 | 1316185 | 12.78% | 0.367% |
| 295    | 17.731 | 17.657 | 17.811 | HH | 77695 | 6197468 | 60.17% | 1.728% |
|        |        |        |        |    |       |         |        |        |
| 296    | 17.835 | 17.811 | 17.852 | HH | 66464 | 1602282 | 15.56% | 0.447% |
| 297    | 17.882 | 17.852 | 17.898 | HH | 69463 | 1876454 | 18.22% | 0.523% |
| 298    | 17.909 | 17.898 | 17.942 | HH | 69114 | 1780111 | 17.28% | 0.496% |
| 299    | 17.971 | 17.942 | 17.999 | HH | 79874 | 2523842 | 24.50% | 0.704% |

|     |        |        |        |    |        |          |         |        |
|-----|--------|--------|--------|----|--------|----------|---------|--------|
|     |        |        |        |    | rteres |          |         |        |
| 300 | 18.024 | 17.999 | 18.046 | HH | 76850  | 2059226  | 19.99%  | 0.574% |
| 301 | 18.056 | 18.046 | 18.062 | HH | 70095  | 681357   | 6.62%   | 0.190% |
| 302 | 18.103 | 18.062 | 18.123 | HH | 82959  | 2742642  | 26.63%  | 0.765% |
| 303 | 18.137 | 18.123 | 18.194 | HH | 75347  | 3144401  | 30.53%  | 0.877% |
| 304 | 18.226 | 18.194 | 18.284 | HH | 83325  | 4120143  | 40.00%  | 1.149% |
| 305 | 18.321 | 18.284 | 18.335 | HH | 77860  | 2325165  | 22.58%  | 0.648% |
| 306 | 18.356 | 18.335 | 18.384 | HH | 79317  | 2308238  | 22.41%  | 0.644% |
| 307 | 18.435 | 18.384 | 18.466 | HH | 88045  | 3978924  | 38.63%  | 1.109% |
| 308 | 18.488 | 18.466 | 18.501 | HH | 79288  | 1684450  | 16.35%  | 0.470% |
| 309 | 18.526 | 18.501 | 18.552 | HH | 87840  | 2528853  | 24.55%  | 0.705% |
| 310 | 18.575 | 18.552 | 18.609 | HH | 87880  | 2888359  | 28.04%  | 0.805% |
| 311 | 18.619 | 18.609 | 18.639 | HH | 82911  | 1498394  | 14.55%  | 0.418% |
| 312 | 18.671 | 18.639 | 18.685 | HH | 85542  | 2310141  | 22.43%  | 0.644% |
| 313 | 18.705 | 18.685 | 18.718 | HH | 88012  | 1730033  | 16.80%  | 0.482% |
| 314 | 18.744 | 18.718 | 18.761 | HH | 88492  | 2213598  | 21.49%  | 0.617% |
| 315 | 18.834 | 18.761 | 18.848 | HH | 98091  | 4837278  | 46.97%  | 1.349% |
| 316 | 18.857 | 18.848 | 18.889 | HH | 97214  | 2285026  | 22.19%  | 0.637% |
| 317 | 18.926 | 18.889 | 18.977 | HH | 97131  | 4973116  | 48.29%  | 1.386% |
| 318 | 19.037 | 18.977 | 19.068 | HH | 97410  | 5154927  | 50.05%  | 1.437% |
| 319 | 19.088 | 19.068 | 19.105 | HH | 98356  | 2188637  | 21.25%  | 0.610% |
| 320 | 19.124 | 19.105 | 19.148 | HH | 98881  | 2518776  | 24.46%  | 0.702% |
| 321 | 19.237 | 19.148 | 19.266 | HH | 108653 | 7261101  | 70.50%  | 2.024% |
| 322 | 19.275 | 19.266 | 19.298 | HH | 101985 | 1975595  | 19.18%  | 0.551% |
| 323 | 19.333 | 19.298 | 19.362 | HH | 106711 | 3952699  | 38.38%  | 1.102% |
| 324 | 19.401 | 19.362 | 19.418 | HH | 109258 | 3614615  | 35.10%  | 1.008% |
| 325 | 19.457 | 19.418 | 19.502 | HH | 114001 | 5552922  | 53.92%  | 1.548% |
| 326 | 19.562 | 19.502 | 19.582 | HH | 116844 | 5500185  | 53.40%  | 1.533% |
| 327 | 19.595 | 19.582 | 19.625 | HH | 122772 | 3099541  | 30.09%  | 0.864% |
| 328 | 19.641 | 19.625 | 19.686 | HH | 119402 | 4282240  | 41.58%  | 1.194% |
| 329 | 19.770 | 19.686 | 19.805 | HH | 128277 | 8633427  | 83.82%  | 2.407% |
| 330 | 19.858 | 19.805 | 19.884 | HH | 127754 | 5959130  | 57.86%  | 1.661% |
| 331 | 19.914 | 19.884 | 19.945 | HH | 130570 | 4686094  | 45.50%  | 1.306% |
| 332 | 19.968 | 19.945 | 20.005 | HH | 135296 | 4745146  | 46.07%  | 1.323% |
| 333 | 20.026 | 20.005 | 20.043 | HH | 133109 | 3016971  | 29.29%  | 0.841% |
| 334 | 20.056 | 20.043 | 20.065 | HH | 134391 | 1748571  | 16.98%  | 0.487% |
| 335 | 20.169 | 20.065 | 20.185 | HH | 137750 | 9729012  | 94.46%  | 2.712% |
| 336 | 20.227 | 20.185 | 20.238 | HH | 138168 | 4381449  | 42.54%  | 1.222% |
| 337 | 20.272 | 20.238 | 20.285 | HH | 140454 | 3932656  | 38.18%  | 1.096% |
| 338 | 20.325 | 20.285 | 20.346 | HH | 148751 | 5256775  | 51.04%  | 1.466% |
| 339 | 20.356 | 20.346 | 20.392 | HH | 145584 | 3925313  | 38.11%  | 1.094% |
| 340 | 20.422 | 20.392 | 20.485 | HH | 147019 | 8074217  | 78.40%  | 2.251% |
| 341 | 20.495 | 20.485 | 20.511 | HH | 142598 | 2189448  | 21.26%  | 0.610% |
| 342 | 20.544 | 20.511 | 20.610 | HH | 142298 | 8472328  | 82.26%  | 2.362% |
| 343 | 20.644 | 20.610 | 20.668 | HH | 144293 | 4948660  | 48.05%  | 1.380% |
| 344 | 20.688 | 20.668 | 20.725 | HH | 144675 | 4829828  | 46.89%  | 1.347% |
| 345 | 20.805 | 20.725 | 20.829 | HH | 140264 | 8666575  | 84.15%  | 2.416% |
| 346 | 20.891 | 20.829 | 20.952 | HH | 142694 | 10299386 | 100.00% | 2.871% |
| 347 | 20.971 | 20.952 | 21.025 | HH | 139987 | 6080245  | 59.04%  | 1.695% |
| 348 | 21.028 | 21.025 | 21.058 | HH | 138302 | 2742289  | 26.63%  | 0.765% |
| 349 | 21.091 | 21.058 | 21.177 | HH | 139758 | 9611184  | 93.32%  | 2.680% |
| 350 | 21.236 | 21.177 | 21.281 | HH | 136056 | 8368627  | 81.25%  | 2.333% |
| 351 | 21.292 | 21.281 | 21.316 | HH | 133912 | 2781973  | 27.01%  | 0.776% |

|     |        |        |        |     |                         |         |           |        |
|-----|--------|--------|--------|-----|-------------------------|---------|-----------|--------|
|     |        |        |        |     |                         | rteres  |           |        |
| 352 | 21.326 | 21.316 | 21.332 | HH  | 132905                  | 1295631 | 12.58%    | 0.361% |
| 353 | 21.339 | 21.332 | 21.384 | HH  | 132585                  | 4104552 | 39.85%    | 1.144% |
| 354 | 21.434 | 21.384 | 21.462 | HH  | 132179                  | 6081659 | 59.05%    | 1.696% |
| 355 | 21.484 | 21.462 | 21.528 | HH  | 130224                  | 5123276 | 49.74%    | 1.428% |
| 356 | 21.547 | 21.528 | 21.592 | HH  | 129072                  | 4821676 | 46.82%    | 1.344% |
| 357 | 21.619 | 21.592 | 21.652 | HHA | 128981                  | 4695436 | 45.59%    | 1.309% |
|     |        |        |        |     | Sum of corrected areas: |         | 358692024 |        |

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