

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG022620\  
 Data File : FG006749.D  
 Signal(s) : FID1A.ch  
 Acq On : 26 Feb 2020 15:10  
 Sample : L1659-06MSD  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Integration File: sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\C44-FG022520.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         | 2.709       | 2.695        | 2.842      | PH       | 176527         | 1299265      | 41.39%         | 1.561%        |
| 2         | 2.851       | 2.842        | 2.877      | PH       | 83             | 459          | 0.01%          | 0.001%        |
| 3         | 2.894       | 2.877        | 2.910      | PH       | 100            | 865          | 0.03%          | 0.001%        |
| 4         | 2.927       | 2.910        | 2.948      | PH       | 163            | 2028         | 0.06%          | 0.002%        |
| 5         | 2.965       | 2.948        | 3.048      | HH       | 1505           | 16583        | 0.53%          | 0.020%        |
| 6         | 3.066       | 3.048        | 3.122      | PH       | -1             | -1665        | -0.05%         | -0.002%       |
| 7         | 3.156       | 3.122        | 3.190      | PH       | -58            | -3886        | -0.12%         | -0.005%       |
| 8         | 3.203       | 3.190        | 3.220      | PH       | -9             | -1596        | -0.05%         | -0.002%       |
| 9         | 3.238       | 3.220        | 3.258      | PH       | -89            | -2935        | -0.09%         | -0.004%       |
| 10        | 3.261       | 3.258        | 3.269      | PH       | -81            | -782         | -0.02%         | -0.001%       |
| 11        | 3.292       | 3.269        | 3.301      | PH       | -90            | -2292        | -0.07%         | -0.003%       |
| 12        | 3.315       | 3.301        | 3.325      | PH       | -55            | -1503        | -0.05%         | -0.002%       |
| 13        | 3.334       | 3.325        | 3.378      | PH       | -64            | -4313        | -0.14%         | -0.005%       |
| 14        | 3.388       | 3.378        | 3.406      | PH       | -92            | -2467        | -0.08%         | -0.003%       |
| 15        | 3.413       | 3.406        | 3.442      | PH       | -170           | -3619        | -0.12%         | -0.004%       |
| 16        | 3.452       | 3.442        | 3.460      | PH       | -141           | -1930        | -0.06%         | -0.002%       |
| 17        | 3.485       | 3.460        | 3.523      | PH       | -106           | -6044        | -0.19%         | -0.007%       |
| 18        | 3.534       | 3.523        | 3.575      | PH       | -159           | -6518        | -0.21%         | -0.008%       |
| 19        | 3.605       | 3.575        | 3.631      | PH       | -173           | -7946        | -0.25%         | -0.010%       |
| 20        | 3.647       | 3.631        | 3.708      | PH       | 261            | -1932        | -0.06%         | -0.002%       |
| 21        | 3.720       | 3.708        | 3.738      | PH       | -119           | -3277        | -0.10%         | -0.004%       |
| 22        | 3.744       | 3.738        | 3.779      | PH       | -201           | -6088        | -0.19%         | -0.007%       |
| 23        | 3.891       | 3.779        | 3.988      | PH       | -224           | -37531       | -1.20%         | -0.045%       |
| 24        | 3.992       | 3.988        | 4.025      | PH       | -328           | -7877        | -0.25%         | -0.009%       |
| 25        | 4.036       | 4.025        | 4.068      | PH       | -352           | -9603        | -0.31%         | -0.012%       |
| 26        | 4.082       | 4.068        | 4.098      | PH       | -308           | -6578        | -0.21%         | -0.008%       |
| 27        | 4.110       | 4.098        | 4.125      | PH       | -318           | -5989        | -0.19%         | -0.007%       |
| 28        | 4.149       | 4.125        | 4.168      | PH       | -355           | -10291       | -0.33%         | -0.012%       |
| 29        | 4.180       | 4.168        | 4.225      | PH       | -362           | -13369       | -0.43%         | -0.016%       |
| 30        | 4.229       | 4.225        | 4.236      | PH       | -285           | -2544        | -0.08%         | -0.003%       |
| 31        | 4.272       | 4.236        | 4.283      | PH       | -257           | -10102       | -0.32%         | -0.012%       |
| 32        | 4.300       | 4.283        | 4.319      | PH       | -331           | -8225        | -0.26%         | -0.010%       |
| 33        | 4.349       | 4.319        | 4.361      | PH       | -335           | -9641        | -0.31%         | -0.012%       |
| 34        | 4.421       | 4.361        | 4.551      | PH       | 3276           | 17529        | 0.56%          | 0.021%        |
| 35        | 4.585       | 4.551        | 4.637      | PH       | 54             | -8884        | -0.28%         | -0.011%       |
| 36        | 4.648       | 4.637        | 4.658      | PH       | -184           | -2729        | -0.09%         | -0.003%       |
| 37        | 4.676       | 4.658        | 4.725      | PH       | -72            | -6571        | -0.21%         | -0.008%       |
| 38        | 4.757       | 4.725        | 4.826      | PH       | 194298         | 1666667      | 53.10%         | 2.002%        |
| 39        | 4.835       | 4.826        | 4.856      | PH       | 2              | -1558        | -0.05%         | -0.002%       |
| 40        | 4.884       | 4.856        | 4.903      | PH       | -181           | -6010        | -0.19%         | -0.007%       |

|    |       |       |       |    | rteres |         |        |         |
|----|-------|-------|-------|----|--------|---------|--------|---------|
| 41 | 4.928 | 4.903 | 5.038 | PH | 550    | -17626  | -0.56% | -0.021% |
| 42 | 5.049 | 5.038 | 5.071 | PH | -343   | -8101   | -0.26% | -0.010% |
| 43 | 5.074 | 5.071 | 5.082 | PH | -382   | -2871   | -0.09% | -0.003% |
| 44 | 5.091 | 5.082 | 5.108 | PH | -455   | -7065   | -0.23% | -0.008% |
| 45 | 5.116 | 5.108 | 5.138 | PH | -470   | -8553   | -0.27% | -0.010% |
|    |       |       |       |    |        |         |        |         |
| 46 | 5.146 | 5.138 | 5.175 | PH | -447   | -10798  | -0.34% | -0.013% |
| 47 | 5.189 | 5.175 | 5.215 | PH | -493   | -12297  | -0.39% | -0.015% |
| 48 | 5.252 | 5.215 | 5.313 | PH | -432   | -31318  | -1.00% | -0.038% |
| 49 | 5.352 | 5.313 | 5.381 | PH | -343   | -20472  | -0.65% | -0.025% |
| 50 | 5.384 | 5.381 | 5.393 | PH | -489   | -3759   | -0.12% | -0.005% |
|    |       |       |       |    |        |         |        |         |
| 51 | 5.397 | 5.393 | 5.446 | PH | -549   | -19203  | -0.61% | -0.023% |
| 52 | 5.464 | 5.446 | 5.478 | PH | -573   | -11309  | -0.36% | -0.014% |
| 53 | 5.502 | 5.478 | 5.571 | PH | -541   | -34152  | -1.09% | -0.041% |
| 54 | 5.606 | 5.571 | 5.664 | PH | 49     | -26621  | -0.85% | -0.032% |
| 55 | 5.676 | 5.664 | 5.718 | PH | -474   | -19806  | -0.63% | -0.024% |
|    |       |       |       |    |        |         |        |         |
| 56 | 5.759 | 5.718 | 5.813 | PH | 676    | -25521  | -0.81% | -0.031% |
| 57 | 5.832 | 5.813 | 5.869 | PH | -411   | -20260  | -0.65% | -0.024% |
| 58 | 5.878 | 5.869 | 5.905 | PH | -670   | -15134  | -0.48% | -0.018% |
| 59 | 5.931 | 5.905 | 5.991 | PH | -643   | -36635  | -1.17% | -0.044% |
| 60 | 6.005 | 5.991 | 6.018 | PH | -696   | -11866  | -0.38% | -0.014% |
|    |       |       |       |    |        |         |        |         |
| 61 | 6.026 | 6.018 | 6.129 | PH | -706   | -50511  | -1.61% | -0.061% |
| 62 | 6.159 | 6.129 | 6.225 | PH | -769   | -47876  | -1.53% | -0.058% |
| 63 | 6.241 | 6.225 | 6.265 | PH | -575   | -17517  | -0.56% | -0.021% |
| 64 | 6.277 | 6.265 | 6.287 | PH | -716   | -10187  | -0.32% | -0.012% |
| 65 | 6.315 | 6.287 | 6.395 | PH | -328   | -45292  | -1.44% | -0.054% |
|    |       |       |       |    |        |         |        |         |
| 66 | 6.419 | 6.395 | 6.495 | PH | 453    | -35029  | -1.12% | -0.042% |
| 67 | 6.498 | 6.495 | 6.505 | PH | -761   | -5319   | -0.17% | -0.006% |
| 68 | 6.511 | 6.505 | 6.551 | PH | -765   | -22502  | -0.72% | -0.027% |
| 69 | 6.570 | 6.551 | 6.618 | PH | 447    | -19055  | -0.61% | -0.023% |
| 70 | 6.637 | 6.618 | 6.665 | PH | -211   | -16996  | -0.54% | -0.020% |
|    |       |       |       |    |        |         |        |         |
| 71 | 6.702 | 6.665 | 6.808 | PH | 202928 | 1802598 | 57.43% | 2.165%  |
| 72 | 6.816 | 6.808 | 6.822 | PH | -640   | -5644   | -0.18% | -0.007% |
| 73 | 6.830 | 6.822 | 6.920 | PH | -644   | -43746  | -1.39% | -0.053% |
| 74 | 6.934 | 6.920 | 6.958 | PH | -741   | -18513  | -0.59% | -0.022% |
| 75 | 6.966 | 6.958 | 6.988 | PH | -867   | -15978  | -0.51% | -0.019% |
|    |       |       |       |    |        |         |        |         |
| 76 | 7.007 | 6.988 | 7.019 | PH | -831   | -16099  | -0.51% | -0.019% |
| 77 | 7.026 | 7.019 | 7.055 | PH | -856   | -18935  | -0.60% | -0.023% |
| 78 | 7.066 | 7.055 | 7.154 | PH | -890   | -55245  | -1.76% | -0.066% |
| 79 | 7.228 | 7.154 | 7.275 | PH | -629   | -58802  | -1.87% | -0.071% |
| 80 | 7.282 | 7.275 | 7.321 | PH | -882   | -25531  | -0.81% | -0.031% |
|    |       |       |       |    |        |         |        |         |
| 81 | 7.360 | 7.321 | 7.394 | PH | -391   | -33623  | -1.07% | -0.040% |
| 82 | 7.408 | 7.394 | 7.466 | PH | -866   | -40418  | -1.29% | -0.049% |
| 83 | 7.485 | 7.466 | 7.567 | PH | -836   | -58104  | -1.85% | -0.070% |
| 84 | 7.591 | 7.567 | 7.678 | PH | -296   | -59794  | -1.90% | -0.072% |
| 85 | 7.685 | 7.678 | 7.725 | PH | -1018  | -28960  | -0.92% | -0.035% |
|    |       |       |       |    |        |         |        |         |
| 86 | 7.729 | 7.725 | 7.735 | PH | -979   | -6327   | -0.20% | -0.008% |
| 87 | 7.765 | 7.735 | 7.817 | PH | -929   | -50608  | -1.61% | -0.061% |
| 88 | 7.854 | 7.817 | 7.879 | PH | -865   | -35743  | -1.14% | -0.043% |
| 89 | 7.900 | 7.879 | 7.922 | PH | -721   | -23268  | -0.74% | -0.028% |
| 90 | 7.952 | 7.922 | 7.960 | PH | -977   | -23643  | -0.75% | -0.028% |
|    |       |       |       |    |        |         |        |         |
| 91 | 7.979 | 7.960 | 8.010 | PH | -789   | -29000  | -0.92% | -0.035% |
| 92 | 8.054 | 8.010 | 8.073 | PH | -719   | -33941  | -1.08% | -0.041% |
| 93 | 8.085 | 8.073 | 8.114 | PH | -942   | -24251  | -0.77% | -0.029% |
| 94 | 8.135 | 8.114 | 8.173 | PH | -863   | -35898  | -1.14% | -0.043% |
| 95 | 8.189 | 8.173 | 8.214 | PH | -834   | -23791  | -0.76% | -0.029% |
|    |       |       |       |    |        |         |        |         |
| 96 | 8.228 | 8.214 | 8.248 | PH | -902   | -20589  | -0.66% | -0.025% |
| 97 | 8.259 | 8.248 | 8.278 | PH | -984   | -18553  | -0.59% | -0.022% |

|     |        |        |        | rteres |        |         |                |
|-----|--------|--------|--------|--------|--------|---------|----------------|
| 98  | 8.296  | 8.278  | 8.320  | PH     | -961   | -25628  | -0.82% -0.031% |
| 99  | 8.340  | 8.320  | 8.395  | PH     | -747   | -44818  | -1.43% -0.054% |
| 100 | 8.427  | 8.395  | 8.511  | PH     | 219198 | 2035054 | 64.83% 2.445%  |
| 101 | 8.540  | 8.511  | 8.651  | PH     | 20432  | 159010  | 5.07% 0.191%   |
| 102 | 8.673  | 8.651  | 8.708  | PH     | -699   | -29877  | -0.95% -0.036% |
| 103 | 8.720  | 8.708  | 8.748  | PH     | -890   | -24156  | -0.77% -0.029% |
| 104 | 8.776  | 8.748  | 8.783  | PH     | -989   | -21716  | -0.69% -0.026% |
| 105 | 8.802  | 8.783  | 8.844  | PH     | -744   | -35243  | -1.12% -0.042% |
| 106 | 8.874  | 8.844  | 8.887  | PH     | -526   | -21556  | -0.69% -0.026% |
| 107 | 8.904  | 8.887  | 8.928  | PH     | -432   | -16205  | -0.52% -0.019% |
| 108 | 8.942  | 8.928  | 9.021  | PH     | -633   | -53309  | -1.70% -0.064% |
| 109 | 9.046  | 9.021  | 9.082  | PH     | -890   | -37776  | -1.20% -0.045% |
| 110 | 9.095  | 9.082  | 9.105  | PH     | -1103  | -15494  | -0.49% -0.019% |
| 111 | 9.164  | 9.105  | 9.198  | PH     | -835   | -55858  | -1.78% -0.067% |
| 112 | 9.218  | 9.198  | 9.274  | PH     | -233   | -37585  | -1.20% -0.045% |
| 113 | 9.284  | 9.274  | 9.319  | PH     | -1031  | -28753  | -0.92% -0.035% |
| 114 | 9.327  | 9.319  | 9.364  | PH     | -1058  | -30263  | -0.96% -0.036% |
| 115 | 9.386  | 9.364  | 9.402  | PH     | -1031  | -24293  | -0.77% -0.029% |
| 116 | 9.415  | 9.402  | 9.451  | PH     | -1042  | -32180  | -1.03% -0.039% |
| 117 | 9.463  | 9.451  | 9.470  | PH     | -1088  | -12602  | -0.40% -0.015% |
| 118 | 9.502  | 9.470  | 9.548  | PH     | -953   | -48485  | -1.54% -0.058% |
| 119 | 9.571  | 9.548  | 9.606  | PH     | -284   | -26298  | -0.84% -0.032% |
| 120 | 9.627  | 9.606  | 9.645  | PH     | -809   | -20907  | -0.67% -0.025% |
| 121 | 9.662  | 9.645  | 9.683  | PH     | -548   | -17934  | -0.57% -0.022% |
| 122 | 9.703  | 9.683  | 9.725  | PH     | -239   | -17535  | -0.56% -0.021% |
| 123 | 9.757  | 9.725  | 9.779  | PH     | -55    | -20165  | -0.64% -0.024% |
| 124 | 9.794  | 9.779  | 9.811  | PH     | -894   | -18759  | -0.60% -0.023% |
| 125 | 9.831  | 9.811  | 9.866  | PH     | -626   | -29967  | -0.95% -0.036% |
| 126 | 9.892  | 9.866  | 9.908  | PH     | -792   | -23999  | -0.76% -0.029% |
| 127 | 9.968  | 9.908  | 10.028 | PH     | 216661 | 2129637 | 67.85% 2.558%  |
| 128 | 10.034 | 10.028 | 10.075 | PH     | -726   | -23268  | -0.74% -0.028% |
| 129 | 10.087 | 10.075 | 10.116 | PH     | -826   | -21951  | -0.70% -0.026% |
| 130 | 10.140 | 10.116 | 10.167 | PH     | -587   | -26088  | -0.83% -0.031% |
| 131 | 10.186 | 10.167 | 10.201 | PH     | -889   | -19453  | -0.62% -0.023% |
| 132 | 10.221 | 10.201 | 10.274 | PH     | -911   | -44500  | -1.42% -0.053% |
| 133 | 10.301 | 10.274 | 10.313 | PH     | -833   | -22329  | -0.71% -0.027% |
| 134 | 10.347 | 10.313 | 10.368 | PH     | -697   | -26270  | -0.84% -0.032% |
| 135 | 10.377 | 10.368 | 10.401 | PH     | -713   | -16422  | -0.52% -0.020% |
| 136 | 10.427 | 10.401 | 10.458 | PH     | -733   | -30273  | -0.96% -0.036% |
| 137 | 10.502 | 10.458 | 10.531 | PH     | -539   | -36576  | -1.17% -0.044% |
| 138 | 10.542 | 10.531 | 10.556 | PH     | -912   | -14616  | -0.47% -0.018% |
| 139 | 10.595 | 10.556 | 10.629 | PH     | -714   | -38188  | -1.22% -0.046% |
| 140 | 10.680 | 10.629 | 10.720 | PH     | 143    | -36184  | -1.15% -0.043% |
| 141 | 10.748 | 10.720 | 10.765 | PH     | -756   | -23515  | -0.75% -0.028% |
| 142 | 10.775 | 10.765 | 10.787 | PH     | -877   | -12104  | -0.39% -0.015% |
| 143 | 10.832 | 10.787 | 10.888 | PH     | -527   | -49136  | -1.57% -0.059% |
| 144 | 10.896 | 10.888 | 10.914 | PH     | -897   | -14595  | -0.46% -0.018% |
| 145 | 10.950 | 10.914 | 10.971 | PH     | -817   | -32331  | -1.03% -0.039% |
| 146 | 10.998 | 10.971 | 11.022 | PH     | -770   | -25927  | -0.83% -0.031% |
| 147 | 11.042 | 11.022 | 11.058 | PH     | -779   | -18655  | -0.59% -0.022% |
| 148 | 11.075 | 11.058 | 11.098 | PH     | -770   | -20881  | -0.67% -0.025% |
| 149 | 11.120 | 11.098 | 11.148 | PH     | -781   | -26597  | -0.85% -0.032% |
| 150 | 11.169 | 11.148 | 11.206 | PH     | -618   | -30303  | -0.97% -0.036% |
| 151 | 11.259 | 11.206 | 11.269 | PH     | -882   | -35745  | -1.14% -0.043% |
| 152 | 11.297 | 11.269 | 11.320 | PH     | -734   | -26746  | -0.85% -0.032% |
| 153 | 11.359 | 11.320 | 11.428 | PH     | 221542 | 2335753 | 74.41% 2.806%  |
| 154 | 11.457 | 11.428 | 11.534 | PH     | -438   | -48688  | -1.55% -0.058% |

|     |        |        |        |    | rteres |         |        |         |
|-----|--------|--------|--------|----|--------|---------|--------|---------|
| 155 | 11.555 | 11.534 | 11.592 | PH | -571   | -28367  | -0.90% | -0.034% |
| 156 | 11.647 | 11.592 | 11.675 | PH | -809   | -44329  | -1.41% | -0.053% |
| 157 | 11.735 | 11.675 | 11.751 | PH | -717   | -38152  | -1.22% | -0.046% |
| 158 | 11.781 | 11.751 | 11.845 | PH | 4029   | 15834   | 0.50%  | 0.019%  |
| 159 | 11.863 | 11.845 | 11.896 | PH | -577   | -23742  | -0.76% | -0.029% |
| 160 | 11.906 | 11.896 | 11.927 | PH | -788   | -15923  | -0.51% | -0.019% |
| 161 | 11.939 | 11.927 | 11.956 | PH | -839   | -14825  | -0.47% | -0.018% |
| 162 | 12.005 | 11.956 | 12.022 | PH | 103    | -20696  | -0.66% | -0.025% |
| 163 | 12.030 | 12.022 | 12.053 | PH | -498   | -10917  | -0.35% | -0.013% |
| 164 | 12.070 | 12.053 | 12.098 | PH | -528   | -18196  | -0.58% | -0.022% |
| 165 | 12.133 | 12.098 | 12.171 | PH | -75    | -24806  | -0.79% | -0.030% |
| 166 | 12.201 | 12.171 | 12.228 | PH | -792   | -29316  | -0.93% | -0.035% |
| 167 | 12.251 | 12.228 | 12.310 | PH | -470   | -34211  | -1.09% | -0.041% |
| 168 | 12.328 | 12.310 | 12.340 | PH | -643   | -13386  | -0.43% | -0.016% |
| 169 | 12.364 | 12.340 | 12.382 | PH | 97     | -10873  | -0.35% | -0.013% |
| 170 | 12.401 | 12.382 | 12.428 | PH | -439   | -17631  | -0.56% | -0.021% |
| 171 | 12.455 | 12.428 | 12.491 | PH | -555   | -26953  | -0.86% | -0.032% |
| 172 | 12.526 | 12.491 | 12.575 | PH | -710   | -39890  | -1.27% | -0.048% |
| 173 | 12.626 | 12.575 | 12.668 | PH | 221825 | 2383808 | 75.94% | 2.864%  |
| 174 | 12.694 | 12.668 | 12.728 | PH | 2772   | 13099   | 0.42%  | 0.016%  |
| 175 | 12.750 | 12.728 | 12.804 | PH | -481   | -31062  | -0.99% | -0.037% |
| 176 | 12.847 | 12.804 | 12.888 | PH | -683   | -39803  | -1.27% | -0.048% |
| 177 | 12.905 | 12.888 | 12.966 | PH | -676   | -35594  | -1.13% | -0.043% |
| 178 | 13.029 | 12.966 | 13.151 | PH | 740    | -62474  | -1.99% | -0.075% |
| 179 | 13.159 | 13.151 | 13.182 | PH | -758   | -15331  | -0.49% | -0.018% |
| 180 | 13.219 | 13.182 | 13.260 | PH | 386    | -20908  | -0.67% | -0.025% |
| 181 | 13.293 | 13.260 | 13.325 | PH | -751   | -32069  | -1.02% | -0.039% |
| 182 | 13.348 | 13.325 | 13.408 | PH | -493   | -37439  | -1.19% | -0.045% |
| 183 | 13.445 | 13.408 | 13.475 | PH | 63     | -21784  | -0.69% | -0.026% |
| 184 | 13.491 | 13.475 | 13.518 | PH | -744   | -20574  | -0.66% | -0.025% |
| 185 | 13.523 | 13.518 | 13.545 | PH | -831   | -14313  | -0.46% | -0.017% |
| 186 | 13.594 | 13.545 | 13.608 | PH | -392   | -25123  | -0.80% | -0.030% |
| 187 | 13.621 | 13.608 | 13.676 | PH | -63    | -24624  | -0.78% | -0.030% |
| 188 | 13.702 | 13.676 | 13.713 | PH | -824   | -18983  | -0.60% | -0.023% |
| 189 | 13.787 | 13.713 | 13.835 | PH | 214371 | 2471761 | 78.75% | 2.969%  |
| 190 | 13.843 | 13.835 | 13.865 | PH | -707   | -13226  | -0.42% | -0.016% |
| 191 | 13.890 | 13.865 | 13.925 | PH | -674   | -26825  | -0.85% | -0.032% |
| 192 | 13.932 | 13.925 | 13.969 | PH | -729   | -21006  | -0.67% | -0.025% |
| 193 | 14.003 | 13.969 | 14.016 | PH | -732   | -22345  | -0.71% | -0.027% |
| 194 | 14.025 | 14.016 | 14.045 | PH | -766   | -14316  | -0.46% | -0.017% |
| 195 | 14.052 | 14.045 | 14.111 | PH | -817   | -33498  | -1.07% | -0.040% |
| 196 | 14.137 | 14.111 | 14.151 | PH | -534   | -17487  | -0.56% | -0.021% |
| 197 | 14.180 | 14.151 | 14.218 | PH | 4078   | 31894   | 1.02%  | 0.038%  |
| 198 | 14.233 | 14.218 | 14.273 | PH | -450   | -21613  | -0.69% | -0.026% |
| 199 | 14.331 | 14.273 | 14.357 | PH | 1842   | -8542   | -0.27% | -0.010% |
| 200 | 14.385 | 14.357 | 14.408 | PH | 733    | -2510   | -0.08% | -0.003% |
| 201 | 14.428 | 14.408 | 14.504 | PH | 3358   | 24506   | 0.78%  | 0.029%  |
| 202 | 14.532 | 14.504 | 14.554 | PH | -535   | -19283  | -0.61% | -0.023% |
| 203 | 14.582 | 14.554 | 14.611 | PH | 399    | -9321   | -0.30% | -0.011% |
| 204 | 14.659 | 14.611 | 14.695 | PH | 151819 | 1913106 | 60.95% | 2.298%  |
| 205 | 14.720 | 14.695 | 14.794 | PH | 1471   | 939     | 0.03%  | 0.001%  |
| 206 | 14.857 | 14.794 | 14.894 | PH | 218645 | 2551164 | 81.27% | 3.065%  |
| 207 | 14.911 | 14.894 | 14.995 | PH | 384    | -18209  | -0.58% | -0.022% |
| 208 | 15.002 | 14.995 | 15.027 | PH | -468   | -10257  | -0.33% | -0.012% |
| 209 | 15.068 | 15.027 | 15.085 | PH | -319   | -15141  | -0.48% | -0.018% |
| 210 | 15.114 | 15.085 | 15.141 | PH | -444   | -16441  | -0.52% | -0.020% |

|     |        |        |        |    | rteres |         |        |         |
|-----|--------|--------|--------|----|--------|---------|--------|---------|
| 211 | 15.180 | 15.141 | 15.201 | PH | -87    | -9975   | -0.32% | -0.012% |
| 212 | 15.239 | 15.201 | 15.331 | PH | 108701 | 1330837 | 42.40% | 1.599%  |
| 213 | 15.361 | 15.331 | 15.391 | HH | 7661   | 89330   | 2.85%  | 0.107%  |
| 214 | 15.415 | 15.391 | 15.450 | PH | 631    | 5712    | 0.18%  | 0.007%  |
| 215 | 15.478 | 15.450 | 15.516 | PH | 945    | 11128   | 0.35%  | 0.013%  |
| 216 | 15.535 | 15.516 | 15.558 | PH | 48     | -1159   | -0.04% | -0.001% |
| 217 | 15.576 | 15.558 | 15.588 | PH | -63    | -1985   | -0.06% | -0.002% |
| 218 | 15.619 | 15.588 | 15.656 | PH | 445    | 8156    | 0.26%  | 0.010%  |
| 219 | 15.672 | 15.656 | 15.693 | HH | 537    | 7387    | 0.24%  | 0.009%  |
| 220 | 15.741 | 15.693 | 15.778 | HH | 2779   | 45241   | 1.44%  | 0.054%  |
| 221 | 15.848 | 15.778 | 15.903 | HH | 220654 | 2663565 | 84.86% | 3.200%  |
| 222 | 15.917 | 15.903 | 15.941 | HH | 397    | 5760    | 0.18%  | 0.007%  |
| 223 | 15.972 | 15.941 | 15.979 | HH | 304    | 5714    | 0.18%  | 0.007%  |
| 224 | 15.985 | 15.979 | 15.999 | HH | 262    | 2692    | 0.09%  | 0.003%  |
| 225 | 16.005 | 15.999 | 16.031 | HH | 225    | 4155    | 0.13%  | 0.005%  |
| 226 | 16.067 | 16.031 | 16.078 | HH | 437    | 10788   | 0.34%  | 0.013%  |
| 227 | 16.093 | 16.078 | 16.103 | HH | 461    | 6265    | 0.20%  | 0.008%  |
| 228 | 16.173 | 16.103 | 16.184 | HH | 1396   | 42056   | 1.34%  | 0.051%  |
| 229 | 16.222 | 16.184 | 16.262 | HH | 9994   | 164237  | 5.23%  | 0.197%  |
| 230 | 16.315 | 16.262 | 16.353 | HH | 19321  | 257865  | 8.22%  | 0.310%  |
| 231 | 16.365 | 16.353 | 16.374 | HH | 744    | 8336    | 0.27%  | 0.010%  |
| 232 | 16.420 | 16.374 | 16.441 | HH | 1977   | 49566   | 1.58%  | 0.060%  |
| 233 | 16.479 | 16.441 | 16.562 | HH | 15586  | 266408  | 8.49%  | 0.320%  |
| 234 | 16.589 | 16.562 | 16.631 | HH | 8426   | 162305  | 5.17%  | 0.195%  |
| 235 | 16.649 | 16.631 | 16.675 | HH | 1953   | 43332   | 1.38%  | 0.052%  |
| 236 | 16.693 | 16.675 | 16.728 | HH | 1772   | 49733   | 1.58%  | 0.060%  |
| 237 | 16.771 | 16.728 | 16.805 | HH | 231202 | 2787276 | 88.80% | 3.348%  |
| 238 | 16.837 | 16.805 | 16.873 | HH | 8761   | 155070  | 4.94%  | 0.186%  |
| 239 | 16.890 | 16.873 | 16.951 | HH | 1477   | 65807   | 2.10%  | 0.079%  |
| 240 | 16.995 | 16.951 | 17.011 | HH | 1612   | 53718   | 1.71%  | 0.065%  |
| 241 | 17.049 | 17.011 | 17.074 | HH | 2514   | 72592   | 2.31%  | 0.087%  |
| 242 | 17.097 | 17.074 | 17.112 | HH | 2156   | 42154   | 1.34%  | 0.051%  |
| 243 | 17.138 | 17.112 | 17.173 | HH | 5488   | 116992  | 3.73%  | 0.141%  |
| 244 | 17.206 | 17.173 | 17.251 | HH | 30091  | 446559  | 14.23% | 0.536%  |
| 245 | 17.279 | 17.251 | 17.311 | HH | 2277   | 79269   | 2.53%  | 0.095%  |
| 246 | 17.318 | 17.311 | 17.335 | HH | 2311   | 31343   | 1.00%  | 0.038%  |
| 247 | 17.373 | 17.335 | 17.391 | HH | 2387   | 77669   | 2.47%  | 0.093%  |
| 248 | 17.428 | 17.391 | 17.446 | HH | 2601   | 80860   | 2.58%  | 0.097%  |
| 249 | 17.478 | 17.446 | 17.494 | HH | 3459   | 82652   | 2.63%  | 0.099%  |
| 250 | 17.522 | 17.494 | 17.551 | HH | 3423   | 106127  | 3.38%  | 0.127%  |
| 251 | 17.630 | 17.551 | 17.701 | HH | 210940 | 3029602 | 96.52% | 3.639%  |
| 252 | 17.726 | 17.701 | 17.765 | HH | 4279   | 132932  | 4.23%  | 0.160%  |
| 253 | 17.774 | 17.765 | 17.810 | HH | 3198   | 85143   | 2.71%  | 0.102%  |
| 254 | 17.896 | 17.810 | 17.922 | HH | 4995   | 253314  | 8.07%  | 0.304%  |
| 255 | 17.940 | 17.922 | 17.956 | HH | 4036   | 78219   | 2.49%  | 0.094%  |
| 256 | 17.989 | 17.956 | 18.015 | HH | 45067  | 716862  | 22.84% | 0.861%  |
| 257 | 18.038 | 18.015 | 18.092 | HH | 33088  | 616821  | 19.65% | 0.741%  |
| 258 | 18.110 | 18.092 | 18.125 | HH | 4104   | 78009   | 2.49%  | 0.094%  |
| 259 | 18.144 | 18.125 | 18.167 | HH | 4561   | 108914  | 3.47%  | 0.131%  |
| 260 | 18.182 | 18.167 | 18.205 | HH | 4291   | 95659   | 3.05%  | 0.115%  |
| 261 | 18.246 | 18.205 | 18.265 | HH | 4855   | 161787  | 5.15%  | 0.194%  |
| 262 | 18.292 | 18.265 | 18.321 | HH | 5398   | 162372  | 5.17%  | 0.195%  |
| 263 | 18.338 | 18.321 | 18.375 | HH | 4981   | 150731  | 4.80%  | 0.181%  |
| 264 | 18.437 | 18.375 | 18.500 | HH | 193299 | 2906118 | 92.58% | 3.491%  |
| 265 | 18.529 | 18.500 | 18.565 | HH | 6629   | 238573  | 7.60%  | 0.287%  |
| 266 | 18.605 | 18.565 | 18.628 | HH | 6431   | 226798  | 7.23%  | 0.272%  |
| 267 | 18.639 | 18.628 | 18.664 | HH | 6197   | 130440  | 4.16%  | 0.157%  |

|     |        |        |        |    | rteres |         |         |        |
|-----|--------|--------|--------|----|--------|---------|---------|--------|
| 268 | 18.680 | 18.664 | 18.702 | HH | 6340   | 141175  | 4.50%   | 0.170% |
| 269 | 18.728 | 18.702 | 18.756 | HH | 6211   | 192899  | 6.15%   | 0.232% |
| 270 | 18.789 | 18.756 | 18.808 | HH | 28022  | 494484  | 15.75%  | 0.594% |
| 271 | 18.821 | 18.808 | 18.869 | HH | 17264  | 478851  | 15.26%  | 0.575% |
| 272 | 18.890 | 18.869 | 18.912 | HH | 9308   | 214240  | 6.83%   | 0.257% |
| 273 | 18.944 | 18.912 | 18.991 | HH | 10853  | 395029  | 12.58%  | 0.475% |
| 274 | 19.015 | 18.991 | 19.038 | HH | 8174   | 214938  | 6.85%   | 0.258% |
| 275 | 19.069 | 19.038 | 19.088 | HH | 7818   | 227102  | 7.23%   | 0.273% |
| 276 | 19.106 | 19.088 | 19.137 | HH | 7598   | 217547  | 6.93%   | 0.261% |
| 277 | 19.197 | 19.137 | 19.265 | HH | 147652 | 2513453 | 80.07%  | 3.019% |
| 278 | 19.332 | 19.265 | 19.395 | HH | 11621  | 739720  | 23.57%  | 0.889% |
| 279 | 19.437 | 19.395 | 19.504 | HH | 13694  | 679277  | 21.64%  | 0.816% |
| 280 | 19.551 | 19.504 | 19.598 | HH | 15060  | 639360  | 20.37%  | 0.768% |
| 281 | 19.622 | 19.598 | 19.645 | HH | 11932  | 304349  | 9.70%   | 0.366% |
| 282 | 19.664 | 19.645 | 19.688 | HH | 10962  | 272784  | 8.69%   | 0.328% |
| 283 | 19.702 | 19.688 | 19.719 | HH | 10140  | 189480  | 6.04%   | 0.228% |
| 284 | 19.746 | 19.719 | 19.761 | HH | 10567  | 259717  | 8.27%   | 0.312% |
| 285 | 19.774 | 19.761 | 19.788 | HH | 10538  | 166675  | 5.31%   | 0.200% |
| 286 | 19.841 | 19.788 | 19.870 | HH | 12309  | 563971  | 17.97%  | 0.677% |
| 287 | 19.911 | 19.870 | 19.985 | HH | 128263 | 2424117 | 77.23%  | 2.912% |
| 288 | 20.015 | 19.985 | 20.028 | HH | 12373  | 314312  | 10.01%  | 0.378% |
| 289 | 20.036 | 20.028 | 20.066 | HH | 12246  | 272923  | 8.69%   | 0.328% |
| 290 | 20.131 | 20.066 | 20.151 | HH | 13717  | 639307  | 20.37%  | 0.768% |
| 291 | 20.168 | 20.151 | 20.190 | HH | 12851  | 299118  | 9.53%   | 0.359% |
| 292 | 20.279 | 20.190 | 20.323 | HH | 16730  | 1148401 | 36.59%  | 1.380% |
| 293 | 20.358 | 20.323 | 20.401 | HH | 20848  | 776455  | 24.74%  | 0.933% |
| 294 | 20.412 | 20.401 | 20.488 | HH | 14710  | 749057  | 23.86%  | 0.900% |
| 295 | 20.514 | 20.488 | 20.528 | HH | 13864  | 327428  | 10.43%  | 0.393% |
| 296 | 20.541 | 20.528 | 20.555 | HH | 13801  | 219805  | 7.00%   | 0.264% |
| 297 | 20.600 | 20.555 | 20.684 | HH | 95992  | 2397653 | 76.38%  | 2.880% |
| 298 | 20.753 | 20.684 | 20.770 | HH | 14602  | 742637  | 23.66%  | 0.892% |
| 299 | 20.827 | 20.770 | 20.864 | HH | 20464  | 960334  | 30.59%  | 1.154% |
| 300 | 20.920 | 20.864 | 20.955 | HH | 17258  | 924130  | 29.44%  | 1.110% |
| 301 | 20.979 | 20.955 | 21.171 | HH | 17314  | 1998059 | 63.65%  | 2.400% |
| 302 | 21.206 | 21.171 | 21.257 | HH | 14326  | 724716  | 23.09%  | 0.871% |
| 303 | 21.266 | 21.257 | 21.311 | HH | 14060  | 453156  | 14.44%  | 0.544% |
| 304 | 21.409 | 21.311 | 21.520 | HH | 74792  | 3138941 | 100.00% | 3.771% |
| 305 | 21.593 | 21.520 | 21.628 | HH | 14912  | 947396  | 30.18%  | 1.138% |
| 306 | 21.721 | 21.628 | 21.753 | HH | 14739  | 1092442 | 34.80%  | 1.312% |
| 307 | 21.775 | 21.753 | 21.838 | HH | 14694  | 740063  | 23.58%  | 0.889% |
| 308 | 21.887 | 21.838 | 21.925 | HH | 14898  | 753513  | 24.01%  | 0.905% |
| 309 | 21.989 | 21.925 | 22.053 | HH | 17442  | 1178712 | 37.55%  | 1.416% |
| 310 | 22.075 | 22.053 | 22.135 | HH | 13975  | 683006  | 21.76%  | 0.820% |
| 311 | 22.177 | 22.135 | 22.212 | HH | 13811  | 633915  | 20.20%  | 0.762% |
| 312 | 22.243 | 22.212 | 22.284 | HH | 13802  | 587309  | 18.71%  | 0.706% |
| 313 | 22.294 | 22.284 | 22.306 | HH | 13777  | 183583  | 5.85%   | 0.221% |
| 314 | 22.314 | 22.306 | 22.330 | HH | 13762  | 198593  | 6.33%   | 0.239% |
| 315 | 22.444 | 22.330 | 22.491 | HH | 14438  | 1356326 | 43.21%  | 1.629% |
| 316 | 22.505 | 22.491 | 22.536 | HH | 14027  | 375547  | 11.96%  | 0.451% |
| 317 | 22.544 | 22.536 | 22.608 | HH | 13864  | 594238  | 18.93%  | 0.714% |
| 318 | 22.615 | 22.608 | 22.628 | HH | 13754  | 166317  | 5.30%   | 0.200% |
| 319 | 22.642 | 22.628 | 22.663 | HH | 13759  | 289069  | 9.21%   | 0.347% |
| 320 | 22.736 | 22.663 | 22.835 | HH | 16048  | 1490856 | 47.50%  | 1.791% |
| 321 | 22.871 | 22.835 | 22.881 | HH | 13756  | 383457  | 12.22%  | 0.461% |
| 322 | 22.925 | 22.881 | 22.935 | HH | 13838  | 440100  | 14.02%  | 0.529% |
| 323 | 23.039 | 22.935 | 23.047 | HH | 13985  | 932270  | 29.70%  | 1.120% |
| 324 | 23.070 | 23.047 | 23.175 | HH | 14037  | 1061136 | 33.81%  | 1.275% |

| rteres                  |        |        |        |     |       |          |        |        |
|-------------------------|--------|--------|--------|-----|-------|----------|--------|--------|
| 325                     | 23.215 | 23.175 | 23.228 | HH  | 13906 | 442633   | 14.10% | 0.532% |
| 326                     | 23.254 | 23.228 | 23.268 | HH  | 13889 | 330313   | 10.52% | 0.397% |
| 327                     | 23.442 | 23.268 | 23.571 | HH  | 15648 | 2704617  | 86.16% | 3.249% |
| 328                     | 23.636 | 23.571 | 23.735 | HH  | 15946 | 1452058  | 46.26% | 1.744% |
| 329                     | 23.798 | 23.735 | 23.921 | HHA | 14514 | 1542395  | 49.14% | 1.853% |
| Sum of corrected areas: |        |        |        |     |       | 83244890 |        |        |

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