

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF042519\  
 Data File : FF004350.D  
 Signal(s) : FID2B.ch  
 Acq On : 25 Apr 2019 13:29  
 Sample : K2544-01  
 Misc :  
 ALS Vial : 57 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\FF040219.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         | 4.277       | 4.252        | 4.301      | PH       | 287790         | 2691121      | 8.25%          | 0.137%        |
| 2         | 4.315       | 4.301        | 4.330      | PH       | 24645          | 169807       | 0.52%          | 0.009%        |
| 3         | 4.347       | 4.330        | 4.365      | PH       | 29138          | 199462       | 0.61%          | 0.010%        |
| 4         | 4.378       | 4.365        | 4.405      | PH       | 1228           | -81069       | -0.25%         | -0.004%       |
| 5         | 4.435       | 4.405        | 4.455      | PH       | 28564          | 366471       | 1.12%          | 0.019%        |
| 6         | 4.471       | 4.455        | 4.485      | HH       | 33140          | 407270       | 1.25%          | 0.021%        |
| 7         | 4.499       | 4.485        | 4.514      | HH       | 24356          | 308115       | 0.94%          | 0.016%        |
| 8         | 4.530       | 4.514        | 4.543      | HH       | 99293          | 867443       | 2.66%          | 0.044%        |
| 9         | 4.555       | 4.543        | 4.567      | HH       | 55465          | 509259       | 1.56%          | 0.026%        |
| 10        | 4.585       | 4.567        | 4.596      | HH       | 71517          | 841722       | 2.58%          | 0.043%        |
| 11        | 4.605       | 4.596        | 4.620      | HH       | 66622          | 652050       | 2.00%          | 0.033%        |
| 12        | 4.653       | 4.620        | 4.667      | HH       | 111318         | 1546825      | 4.74%          | 0.079%        |
| 13        | 4.692       | 4.667        | 4.713      | HH       | 89367          | 1512501      | 4.63%          | 0.077%        |
| 14        | 4.738       | 4.713        | 4.776      | HH       | 157373         | 2546315      | 7.80%          | 0.130%        |
| 15        | 4.800       | 4.776        | 4.817      | HH       | 64717          | 941629       | 2.89%          | 0.048%        |
| 16        | 4.830       | 4.817        | 4.851      | HH       | 36053          | 447214       | 1.37%          | 0.023%        |
| 17        | 4.887       | 4.851        | 4.901      | HH       | 84187          | 1093453      | 3.35%          | 0.056%        |
| 18        | 4.918       | 4.901        | 4.941      | HH       | 155791         | 1969777      | 6.04%          | 0.100%        |
| 19        | 4.958       | 4.941        | 4.977      | HH       | 134897         | 1758707      | 5.39%          | 0.090%        |
| 20        | 4.991       | 4.977        | 5.004      | HH       | 110855         | 1228583      | 3.76%          | 0.063%        |
| 21        | 5.018       | 5.004        | 5.056      | HH       | 132510         | 1764010      | 5.41%          | 0.090%        |
| 22        | 5.070       | 5.056        | 5.088      | HH       | 17966          | 248814       | 0.76%          | 0.013%        |
| 23        | 5.109       | 5.088        | 5.124      | HH       | 81838          | 1166532      | 3.57%          | 0.059%        |
| 24        | 5.134       | 5.124        | 5.153      | HH       | 61440          | 902032       | 2.76%          | 0.046%        |
| 25        | 5.174       | 5.153        | 5.188      | HH       | 115334         | 1706387      | 5.23%          | 0.087%        |
| 26        | 5.202       | 5.188        | 5.219      | HH       | 136489         | 1688319      | 5.17%          | 0.086%        |
| 27        | 5.228       | 5.219        | 5.238      | HH       | 49680          | 512529       | 1.57%          | 0.026%        |
| 28        | 5.262       | 5.238        | 5.278      | HH       | 89434          | 1401690      | 4.29%          | 0.071%        |
| 29        | 5.290       | 5.278        | 5.297      | HH       | 44045          | 399410       | 1.22%          | 0.020%        |
| 30        | 5.316       | 5.297        | 5.366      | HH       | 621581         | 9778034      | 29.96%         | 0.498%        |
| 31        | 5.382       | 5.366        | 5.397      | HH       | 54324          | 793880       | 2.43%          | 0.040%        |
| 32        | 5.403       | 5.397        | 5.417      | HH       | 29892          | 306524       | 0.94%          | 0.016%        |
| 33        | 5.436       | 5.417        | 5.449      | HH       | 43148          | 625132       | 1.92%          | 0.032%        |
| 34        | 5.460       | 5.449        | 5.470      | HH       | 39895          | 433953       | 1.33%          | 0.022%        |
| 35        | 5.494       | 5.470        | 5.519      | HH       | 217199         | 3742639      | 11.47%         | 0.191%        |
| 36        | 5.527       | 5.519        | 5.545      | HH       | 89331          | 1072167      | 3.29%          | 0.055%        |

| rteres |       |       |       |    |         |          |        |        |
|--------|-------|-------|-------|----|---------|----------|--------|--------|
| 37     | 5.567 | 5.545 | 5.577 | HH | 124259  | 1588326  | 4.87%  | 0.081% |
| 38     | 5.594 | 5.577 | 5.638 | HH | 279665  | 6052889  | 18.55% | 0.308% |
| 39     | 5.659 | 5.638 | 5.669 | HH | 106749  | 1597439  | 4.89%  | 0.081% |
| 40     | 5.684 | 5.669 | 5.711 | HH | 294357  | 4206938  | 12.89% | 0.214% |
| 41     | 5.724 | 5.711 | 5.743 | HH | 139837  | 2056119  | 6.30%  | 0.105% |
| 42     | 5.768 | 5.743 | 5.787 | HH | 165177  | 2725920  | 8.35%  | 0.139% |
| 43     | 5.817 | 5.787 | 5.838 | HH | 177576  | 3570896  | 10.94% | 0.182% |
| 44     | 5.873 | 5.838 | 5.886 | HH | 148051  | 3234791  | 9.91%  | 0.165% |
| 45     | 5.910 | 5.886 | 5.930 | HH | 197386  | 3642882  | 11.16% | 0.186% |
| 46     | 5.954 | 5.930 | 5.973 | HH | 221656  | 3097596  | 9.49%  | 0.158% |
| 47     | 5.994 | 5.973 | 6.006 | HH | 223405  | 3328301  | 10.20% | 0.169% |
| 48     | 6.016 | 6.006 | 6.028 | HH | 221367  | 2520473  | 7.72%  | 0.128% |
| 49     | 6.033 | 6.028 | 6.061 | HH | 179473  | 2781344  | 8.52%  | 0.142% |
| 50     | 6.077 | 6.061 | 6.106 | HH | 194493  | 3725468  | 11.42% | 0.190% |
| 51     | 6.127 | 6.106 | 6.152 | HH | 221998  | 4066224  | 12.46% | 0.207% |
| 52     | 6.174 | 6.152 | 6.186 | HH | 131537  | 2109636  | 6.46%  | 0.107% |
| 53     | 6.226 | 6.186 | 6.254 | HH | 295414  | 6737906  | 20.65% | 0.343% |
| 54     | 6.266 | 6.254 | 6.276 | HH | 123467  | 1458683  | 4.47%  | 0.074% |
| 55     | 6.298 | 6.276 | 6.343 | HH | 822902  | 11802484 | 36.16% | 0.601% |
| 56     | 6.352 | 6.343 | 6.362 | HH | 87153   | 958478   | 2.94%  | 0.049% |
| 57     | 6.381 | 6.362 | 6.393 | HH | 141157  | 2068160  | 6.34%  | 0.105% |
| 58     | 6.410 | 6.393 | 6.427 | HH | 206188  | 3346918  | 10.26% | 0.170% |
| 59     | 6.444 | 6.427 | 6.471 | HH | 346838  | 5653741  | 17.32% | 0.288% |
| 60     | 6.491 | 6.471 | 6.505 | HH | 228223  | 3513201  | 10.76% | 0.179% |
| 61     | 6.515 | 6.505 | 6.528 | HH | 159891  | 1843030  | 5.65%  | 0.094% |
| 62     | 6.544 | 6.528 | 6.554 | HH | 159727  | 2233142  | 6.84%  | 0.114% |
| 63     | 6.571 | 6.554 | 6.592 | HH | 382292  | 5126640  | 15.71% | 0.261% |
| 64     | 6.613 | 6.592 | 6.619 | HH | 192810  | 2413550  | 7.40%  | 0.123% |
| 65     | 6.633 | 6.619 | 6.661 | HH | 256100  | 4582332  | 14.04% | 0.233% |
| 66     | 6.692 | 6.661 | 6.719 | HH | 737231  | 10869562 | 33.31% | 0.554% |
| 67     | 6.729 | 6.719 | 6.744 | HH | 145063  | 2002621  | 6.14%  | 0.102% |
| 68     | 6.763 | 6.744 | 6.779 | HH | 205161  | 3455291  | 10.59% | 0.176% |
| 69     | 6.810 | 6.779 | 6.831 | HH | 339592  | 7103785  | 21.77% | 0.362% |
| 70     | 6.853 | 6.831 | 6.880 | HH | 441827  | 7070829  | 21.67% | 0.360% |
| 71     | 6.901 | 6.880 | 6.906 | HH | 309299  | 3565439  | 10.93% | 0.182% |
| 72     | 6.919 | 6.906 | 6.941 | HH | 461813  | 6868648  | 21.05% | 0.350% |
| 73     | 6.956 | 6.941 | 6.975 | HH | 296233  | 4223448  | 12.94% | 0.215% |
| 74     | 6.996 | 6.975 | 7.034 | HH | 431892  | 8523320  | 26.12% | 0.434% |
| 75     | 7.057 | 7.034 | 7.077 | HH | 277573  | 5087997  | 15.59% | 0.259% |
| 76     | 7.094 | 7.077 | 7.111 | HH | 201944  | 3300049  | 10.11% | 0.168% |
| 77     | 7.126 | 7.111 | 7.135 | HH | 166780  | 2182212  | 6.69%  | 0.111% |
| 78     | 7.156 | 7.135 | 7.169 | HH | 167424  | 3325430  | 10.19% | 0.169% |
| 79     | 7.197 | 7.169 | 7.206 | HH | 636005  | 8473594  | 25.96% | 0.432% |
| 80     | 7.222 | 7.206 | 7.241 | HH | 1273512 | 15206485 | 46.60% | 0.774% |
| 81     | 7.255 | 7.241 | 7.276 | HH | 298782  | 5293677  | 16.22% | 0.270% |
| 82     | 7.288 | 7.276 | 7.327 | HH | 263331  | 6706479  | 20.55% | 0.342% |
| 83     | 7.339 | 7.327 | 7.353 | HH | 175550  | 2528637  | 7.75%  | 0.129% |
| 84     | 7.389 | 7.353 | 7.424 | HH | 538551  | 12638332 | 38.73% | 0.644% |
| 85     | 7.442 | 7.424 | 7.462 | HH | 295670  | 5128806  | 15.72% | 0.261% |
| 86     | 7.481 | 7.462 | 7.496 | HH | 233199  | 3630662  | 11.12% | 0.185% |
| 87     | 7.527 | 7.496 | 7.538 | HH | 350192  | 6019820  | 18.45% | 0.307% |
| 88     | 7.549 | 7.538 | 7.566 | HH | 308101  | 4188512  | 12.83% | 0.213% |
| 89     | 7.583 | 7.566 | 7.624 | HH | 301358  | 7742593  | 23.72% | 0.394% |

|     |       |       |       |    |         |          |        |        |
|-----|-------|-------|-------|----|---------|----------|--------|--------|
|     |       |       |       |    | rteres  |          |        |        |
| 90  | 7.644 | 7.624 | 7.660 | HH | 338074  | 5624878  | 17.24% | 0.286% |
| 91  | 7.678 | 7.660 | 7.711 | HH | 338388  | 8778170  | 26.90% | 0.447% |
| 92  | 7.737 | 7.711 | 7.757 | HH | 361540  | 7310701  | 22.40% | 0.372% |
| 93  | 7.784 | 7.757 | 7.800 | HH | 408666  | 7397423  | 22.67% | 0.377% |
| 94  | 7.819 | 7.800 | 7.829 | HH | 506440  | 6599190  | 20.22% | 0.336% |
| 95  | 7.841 | 7.829 | 7.865 | HH | 563687  | 7815969  | 23.95% | 0.398% |
| 96  | 7.909 | 7.865 | 7.943 | HH | 514877  | 13529320 | 41.46% | 0.689% |
| 97  | 7.958 | 7.943 | 7.976 | HH | 231919  | 4165907  | 12.76% | 0.212% |
| 98  | 7.996 | 7.976 | 8.007 | HH | 364754  | 5419580  | 16.61% | 0.276% |
| 99  | 8.013 | 8.007 | 8.025 | HH | 331688  | 3433637  | 10.52% | 0.175% |
| 100 | 8.064 | 8.025 | 8.072 | HH | 416406  | 9835036  | 30.14% | 0.501% |
| 101 | 8.094 | 8.072 | 8.113 | HH | 1486724 | 19896046 | 60.96% | 1.013% |
| 102 | 8.129 | 8.113 | 8.140 | HH | 350952  | 5422723  | 16.62% | 0.276% |
| 103 | 8.148 | 8.140 | 8.169 | HH | 345063  | 5677902  | 17.40% | 0.289% |
| 104 | 8.186 | 8.169 | 8.216 | HH | 381029  | 8740941  | 26.78% | 0.445% |
| 105 | 8.245 | 8.216 | 8.260 | HH | 358423  | 8185009  | 25.08% | 0.417% |
| 106 | 8.272 | 8.260 | 8.286 | HH | 362474  | 4931983  | 15.11% | 0.251% |
| 107 | 8.306 | 8.286 | 8.345 | HH | 500444  | 11773927 | 36.08% | 0.600% |
| 108 | 8.377 | 8.345 | 8.399 | HH | 298005  | 8116944  | 24.87% | 0.413% |
| 109 | 8.412 | 8.399 | 8.425 | HH | 264333  | 3762937  | 11.53% | 0.192% |
| 110 | 8.456 | 8.425 | 8.469 | HH | 359762  | 8136680  | 24.93% | 0.414% |
| 111 | 8.480 | 8.469 | 8.486 | HH | 313263  | 3072346  | 9.41%  | 0.156% |
| 112 | 8.508 | 8.486 | 8.524 | HH | 420128  | 8667412  | 26.56% | 0.441% |
| 113 | 8.536 | 8.524 | 8.556 | HH | 454177  | 7674687  | 23.52% | 0.391% |
| 114 | 8.578 | 8.556 | 8.593 | HH | 405332  | 7783184  | 23.85% | 0.396% |
| 115 | 8.625 | 8.593 | 8.650 | HH | 728036  | 15105284 | 46.28% | 0.769% |
| 116 | 8.676 | 8.650 | 8.693 | HH | 457074  | 8555823  | 26.22% | 0.436% |
| 117 | 8.699 | 8.693 | 8.712 | HH | 302799  | 3318590  | 10.17% | 0.169% |
| 118 | 8.732 | 8.712 | 8.757 | HH | 367594  | 8800020  | 26.96% | 0.448% |
| 119 | 8.770 | 8.757 | 8.788 | HH | 344917  | 5604632  | 17.17% | 0.285% |
| 120 | 8.799 | 8.788 | 8.815 | HH | 292645  | 4472656  | 13.70% | 0.228% |
| 121 | 8.835 | 8.815 | 8.868 | HH | 382436  | 10727202 | 32.87% | 0.546% |
| 122 | 8.917 | 8.868 | 8.935 | HH | 1693707 | 28442549 | 87.15% | 1.448% |
| 123 | 8.940 | 8.935 | 8.976 | HH | 404991  | 8008256  | 24.54% | 0.408% |
| 124 | 8.994 | 8.976 | 9.018 | HH | 399858  | 8449129  | 25.89% | 0.430% |
| 125 | 9.053 | 9.018 | 9.074 | HH | 356294  | 10415756 | 31.92% | 0.530% |
| 126 | 9.107 | 9.074 | 9.120 | HH | 343094  | 8277613  | 25.36% | 0.422% |
| 127 | 9.136 | 9.120 | 9.172 | HH | 380242  | 10264033 | 31.45% | 0.523% |
| 128 | 9.191 | 9.172 | 9.223 | HH | 409270  | 10372849 | 31.78% | 0.528% |
| 129 | 9.238 | 9.223 | 9.253 | HH | 356924  | 5801140  | 17.78% | 0.295% |
| 130 | 9.284 | 9.253 | 9.313 | HH | 567880  | 14975793 | 45.89% | 0.763% |
| 131 | 9.327 | 9.313 | 9.337 | HH | 383922  | 5233209  | 16.04% | 0.267% |
| 132 | 9.370 | 9.337 | 9.392 | HH | 494831  | 13910426 | 42.62% | 0.708% |
| 133 | 9.415 | 9.392 | 9.436 | HH | 488104  | 10111593 | 30.98% | 0.515% |
| 134 | 9.467 | 9.436 | 9.497 | HH | 507056  | 13954808 | 42.76% | 0.711% |
| 135 | 9.512 | 9.497 | 9.541 | HH | 341712  | 8281738  | 25.38% | 0.422% |
| 136 | 9.547 | 9.541 | 9.555 | HH | 300632  | 2553747  | 7.83%  | 0.130% |
| 137 | 9.567 | 9.555 | 9.581 | HH | 316920  | 4639495  | 14.22% | 0.236% |
| 138 | 9.599 | 9.581 | 9.605 | HH | 345512  | 4772560  | 14.62% | 0.243% |
| 139 | 9.611 | 9.605 | 9.617 | HH | 342347  | 2380551  | 7.29%  | 0.121% |
| 140 | 9.643 | 9.617 | 9.666 | HH | 468895  | 11736017 | 35.96% | 0.598% |
| 141 | 9.695 | 9.666 | 9.736 | HH | 1791955 | 30835317 | 94.48% | 1.570% |

| rteres |        |        |        |    |         |          |         |        |
|--------|--------|--------|--------|----|---------|----------|---------|--------|
| 142    | 9.767  | 9.736  | 9.781  | HH | 366984  | 9100505  | 27.89%  | 0.463% |
| 143    | 9.789  | 9.781  | 9.806  | HH | 344131  | 4859771  | 14.89%  | 0.247% |
| 144    | 9.812  | 9.806  | 9.833  | HH | 305814  | 4677964  | 14.33%  | 0.238% |
| 145    | 9.860  | 9.833  | 9.887  | HH | 369672  | 10332324 | 31.66%  | 0.526% |
| 146    | 9.900  | 9.887  | 9.904  | HH | 303446  | 2927905  | 8.97%   | 0.149% |
| 147    | 9.920  | 9.904  | 9.925  | HH | 313701  | 3817726  | 11.70%  | 0.194% |
| 148    | 9.927  | 9.925  | 9.943  | HH | 309095  | 3250268  | 9.96%   | 0.166% |
| 149    | 9.959  | 9.943  | 9.977  | HH | 328525  | 6452473  | 19.77%  | 0.329% |
| 150    | 10.034 | 9.977  | 10.049 | HH | 442092  | 15147933 | 46.42%  | 0.771% |
| 151    | 10.078 | 10.049 | 10.103 | HH | 822191  | 18064750 | 55.35%  | 0.920% |
| 152    | 10.127 | 10.103 | 10.146 | HH | 469565  | 10362520 | 31.75%  | 0.528% |
| 153    | 10.165 | 10.146 | 10.182 | HH | 491062  | 9122713  | 27.95%  | 0.465% |
| 154    | 10.194 | 10.182 | 10.202 | HH | 385167  | 4517116  | 13.84%  | 0.230% |
| 155    | 10.219 | 10.202 | 10.246 | HH | 522566  | 10521270 | 32.24%  | 0.536% |
| 156    | 10.266 | 10.246 | 10.284 | HH | 326182  | 7113751  | 21.80%  | 0.362% |
| 157    | 10.291 | 10.284 | 10.301 | HH | 318502  | 3100552  | 9.50%   | 0.158% |
| 158    | 10.325 | 10.301 | 10.344 | HH | 388689  | 9342516  | 28.63%  | 0.476% |
| 159    | 10.357 | 10.344 | 10.384 | HH | 357693  | 8168223  | 25.03%  | 0.416% |
| 160    | 10.434 | 10.384 | 10.461 | HH | 1725105 | 32635403 | 100.00% | 1.662% |
| 161    | 10.501 | 10.461 | 10.527 | HH | 843371  | 21007225 | 64.37%  | 1.070% |
| 162    | 10.537 | 10.527 | 10.579 | HH | 396050  | 10858326 | 33.27%  | 0.553% |
| 163    | 10.582 | 10.579 | 10.596 | HH | 304985  | 2981114  | 9.13%   | 0.152% |
| 164    | 10.621 | 10.596 | 10.627 | HH | 335897  | 6000189  | 18.39%  | 0.306% |
| 165    | 10.635 | 10.627 | 10.652 | HH | 344148  | 5065812  | 15.52%  | 0.258% |
| 166    | 10.681 | 10.652 | 10.721 | HH | 490705  | 15554395 | 47.66%  | 0.792% |
| 167    | 10.753 | 10.721 | 10.786 | HH | 468089  | 15821978 | 48.48%  | 0.806% |
| 168    | 10.815 | 10.786 | 10.861 | HH | 486134  | 17816238 | 54.59%  | 0.907% |
| 169    | 10.879 | 10.861 | 10.914 | HH | 443073  | 11688711 | 35.82%  | 0.595% |
| 170    | 10.931 | 10.914 | 10.967 | HH | 423105  | 11032606 | 33.81%  | 0.562% |
| 171    | 10.984 | 10.967 | 11.014 | HH | 344209  | 8953641  | 27.44%  | 0.456% |
| 172    | 11.033 | 11.014 | 11.059 | HH | 336181  | 8681878  | 26.60%  | 0.442% |
| 173    | 11.075 | 11.059 | 11.102 | HH | 354956  | 8621482  | 26.42%  | 0.439% |
| 174    | 11.135 | 11.102 | 11.192 | HH | 1477570 | 32341125 | 99.10%  | 1.647% |
| 175    | 11.221 | 11.192 | 11.258 | HH | 698357  | 18105545 | 55.48%  | 0.922% |
| 176    | 11.279 | 11.258 | 11.300 | HH | 324308  | 7786416  | 23.86%  | 0.397% |
| 177    | 11.322 | 11.300 | 11.346 | HH | 319361  | 8307854  | 25.46%  | 0.423% |
| 178    | 11.378 | 11.346 | 11.387 | HH | 317319  | 7630802  | 23.38%  | 0.389% |
| 179    | 11.422 | 11.387 | 11.467 | HH | 413666  | 17181456 | 52.65%  | 0.875% |
| 180    | 11.485 | 11.467 | 11.501 | HH | 368745  | 6847723  | 20.98%  | 0.349% |
| 181    | 11.523 | 11.501 | 11.543 | HH | 465290  | 9718072  | 29.78%  | 0.495% |
| 182    | 11.560 | 11.543 | 11.586 | HH | 399548  | 8869116  | 27.18%  | 0.452% |
| 183    | 11.610 | 11.586 | 11.652 | HH | 405060  | 13549814 | 41.52%  | 0.690% |
| 184    | 11.679 | 11.652 | 11.711 | HH | 325299  | 10801239 | 33.10%  | 0.550% |
| 185    | 11.731 | 11.711 | 11.749 | HH | 307495  | 6604319  | 20.24%  | 0.336% |
| 186    | 11.803 | 11.749 | 11.829 | HH | 1273431 | 27376782 | 83.89%  | 1.394% |
| 187    | 11.850 | 11.829 | 11.895 | HH | 486074  | 14377364 | 44.05%  | 0.732% |
| 188    | 11.908 | 11.895 | 11.943 | HH | 309669  | 8639995  | 26.47%  | 0.440% |
| 189    | 11.950 | 11.943 | 11.972 | HH | 285710  | 4751278  | 14.56%  | 0.242% |
| 190    | 11.996 | 11.972 | 12.012 | HH | 296531  | 6863653  | 21.03%  | 0.350% |
| 191    | 12.065 | 12.012 | 12.120 | HH | 477605  | 21576486 | 66.11%  | 1.099% |
| 192    | 12.137 | 12.120 | 12.160 | HH | 304368  | 6886091  | 21.10%  | 0.351% |
| 193    | 12.179 | 12.160 | 12.193 | HH | 334424  | 6184849  | 18.95%  | 0.315% |
| 194    | 12.209 | 12.193 | 12.240 | HH | 374587  | 8741566  | 26.79%  | 0.445% |

| rteres |        |        |        |    |         |          |        |        |
|--------|--------|--------|--------|----|---------|----------|--------|--------|
| 195    | 12.262 | 12.240 | 12.296 | HH | 324472  | 9616030  | 29.47% | 0.490% |
| 196    | 12.299 | 12.296 | 12.332 | HH | 273054  | 5617444  | 17.21% | 0.286% |
| 197    | 12.360 | 12.332 | 12.404 | HH | 318018  | 12232921 | 37.48% | 0.623% |
| 198    | 12.441 | 12.404 | 12.477 | HH | 1044876 | 21430545 | 65.67% | 1.091% |
| 199    | 12.502 | 12.477 | 12.554 | HH | 693036  | 17190026 | 52.67% | 0.875% |
| 200    | 12.557 | 12.554 | 12.563 | HH | 254530  | 1270023  | 3.89%  | 0.065% |
| 201    | 12.581 | 12.563 | 12.598 | HH | 262229  | 5376084  | 16.47% | 0.274% |
| 202    | 12.602 | 12.598 | 12.616 | HH | 244179  | 2580998  | 7.91%  | 0.131% |
| 203    | 12.629 | 12.616 | 12.644 | HH | 251993  | 4085997  | 12.52% | 0.208% |
| 204    | 12.653 | 12.644 | 12.669 | HH | 244612  | 3562699  | 10.92% | 0.181% |
| 205    | 12.691 | 12.669 | 12.713 | HH | 298819  | 7221784  | 22.13% | 0.368% |
| 206    | 12.720 | 12.713 | 12.743 | HH | 272185  | 4691583  | 14.38% | 0.239% |
| 207    | 12.758 | 12.743 | 12.774 | HH | 261892  | 4568474  | 14.00% | 0.233% |
| 208    | 12.799 | 12.774 | 12.815 | HH | 634604  | 10405694 | 31.88% | 0.530% |
| 209    | 12.823 | 12.815 | 12.841 | HH | 395171  | 5510479  | 16.88% | 0.281% |
| 210    | 12.869 | 12.841 | 12.902 | HH | 982651  | 20581682 | 63.07% | 1.048% |
| 211    | 12.927 | 12.902 | 13.001 | HH | 943193  | 23046719 | 70.62% | 1.174% |
| 212    | 13.017 | 13.001 | 13.023 | HH | 226625  | 3040427  | 9.32%  | 0.155% |
| 213    | 13.051 | 13.023 | 13.079 | HH | 773595  | 14580143 | 44.68% | 0.742% |
| 214    | 13.104 | 13.079 | 13.142 | HH | 336546  | 10727549 | 32.87% | 0.546% |
| 215    | 13.147 | 13.142 | 13.192 | HH | 243438  | 6876948  | 21.07% | 0.350% |
| 216    | 13.208 | 13.192 | 13.232 | HH | 227585  | 5192861  | 15.91% | 0.264% |
| 217    | 13.285 | 13.232 | 13.341 | HH | 314378  | 16101588 | 49.34% | 0.820% |
| 218    | 13.355 | 13.341 | 13.372 | HH | 228525  | 4058354  | 12.44% | 0.207% |
| 219    | 13.396 | 13.372 | 13.414 | HH | 282316  | 6253739  | 19.16% | 0.318% |
| 220    | 13.426 | 13.414 | 13.446 | HH | 241253  | 4328197  | 13.26% | 0.220% |
| 221    | 13.471 | 13.446 | 13.485 | HH | 242520  | 5387921  | 16.51% | 0.274% |
| 222    | 13.502 | 13.485 | 13.522 | HH | 251579  | 5164115  | 15.82% | 0.263% |
| 223    | 13.541 | 13.522 | 13.567 | HH | 245985  | 6005073  | 18.40% | 0.306% |
| 224    | 13.572 | 13.567 | 13.602 | HH | 209149  | 4139348  | 12.68% | 0.211% |
| 225    | 13.634 | 13.602 | 13.658 | HH | 587481  | 11333428 | 34.73% | 0.577% |
| 226    | 13.669 | 13.658 | 13.694 | HH | 223774  | 4623464  | 14.17% | 0.235% |
| 227    | 13.712 | 13.694 | 13.735 | HH | 220691  | 5121478  | 15.69% | 0.261% |
| 228    | 13.740 | 13.735 | 13.797 | HH | 194066  | 7005376  | 21.47% | 0.357% |
| 229    | 13.803 | 13.797 | 13.817 | HH | 176417  | 2091593  | 6.41%  | 0.107% |
| 230    | 13.861 | 13.817 | 13.891 | HH | 218972  | 8747775  | 26.80% | 0.445% |
| 231    | 13.898 | 13.891 | 13.911 | HH | 191599  | 2319866  | 7.11%  | 0.118% |
| 232    | 13.929 | 13.911 | 13.952 | HH | 195933  | 4545479  | 13.93% | 0.231% |
| 233    | 13.967 | 13.952 | 13.976 | HH | 187618  | 2594910  | 7.95%  | 0.132% |
| 234    | 13.995 | 13.976 | 14.006 | HH | 194857  | 3405935  | 10.44% | 0.173% |
| 235    | 14.044 | 14.006 | 14.073 | HH | 199177  | 7598279  | 23.28% | 0.387% |
| 236    | 14.085 | 14.073 | 14.109 | HH | 183407  | 3858830  | 11.82% | 0.197% |
| 237    | 14.130 | 14.109 | 14.140 | HH | 183203  | 3283362  | 10.06% | 0.167% |
| 238    | 14.162 | 14.140 | 14.177 | HH | 289907  | 5250135  | 16.09% | 0.267% |
| 239    | 14.196 | 14.177 | 14.222 | HH | 412002  | 7739215  | 23.71% | 0.394% |
| 240    | 14.259 | 14.222 | 14.282 | HH | 190816  | 6513083  | 19.96% | 0.332% |
| 241    | 14.289 | 14.282 | 14.294 | HH | 173749  | 1205198  | 3.69%  | 0.061% |
| 242    | 14.314 | 14.294 | 14.346 | HH | 199628  | 5696087  | 17.45% | 0.290% |
| 243    | 14.372 | 14.346 | 14.388 | HH | 204913  | 4660870  | 14.28% | 0.237% |
| 244    | 14.402 | 14.388 | 14.413 | HH | 188905  | 2838018  | 8.70%  | 0.145% |
| 245    | 14.432 | 14.413 | 14.462 | HH | 197115  | 5326846  | 16.32% | 0.271% |
| 246    | 14.478 | 14.462 | 14.494 | HH | 181693  | 3352703  | 10.27% | 0.171% |

|     |        |        |        |    |        |          |        |        |
|-----|--------|--------|--------|----|--------|----------|--------|--------|
|     |        |        |        |    | rters  |          |        |        |
| 247 | 14.532 | 14.494 | 14.569 | HH | 348425 | 10000666 | 30.64% | 0.509% |
| 248 | 14.574 | 14.569 | 14.581 | HH | 169845 | 1179503  | 3.61%  | 0.060% |
| 249 | 14.589 | 14.581 | 14.604 | HH | 174707 | 2348883  | 7.20%  | 0.120% |
| 250 | 14.616 | 14.604 | 14.630 | HH | 161029 | 2497652  | 7.65%  | 0.127% |
| 251 | 14.683 | 14.630 | 14.703 | HH | 321170 | 9205999  | 28.21% | 0.469% |
| 252 | 14.730 | 14.703 | 14.782 | HH | 404545 | 11819565 | 36.22% | 0.602% |
| 253 | 14.792 | 14.782 | 14.799 | HH | 164768 | 1678342  | 5.14%  | 0.085% |
| 254 | 14.841 | 14.799 | 14.864 | HH | 219158 | 7125717  | 21.83% | 0.363% |
| 255 | 14.868 | 14.864 | 14.873 | HH | 172687 | 859960   | 2.64%  | 0.044% |
| 256 | 14.878 | 14.873 | 14.891 | HH | 171454 | 1829959  | 5.61%  | 0.093% |
| 257 | 14.897 | 14.891 | 14.906 | HH | 163022 | 1449295  | 4.44%  | 0.074% |
| 258 | 14.929 | 14.906 | 14.944 | HH | 170100 | 3717153  | 11.39% | 0.189% |
| 259 | 14.960 | 14.944 | 14.972 | HH | 171041 | 2855598  | 8.75%  | 0.145% |
| 260 | 14.989 | 14.972 | 15.023 | HH | 178576 | 5279168  | 16.18% | 0.269% |
| 261 | 15.033 | 15.023 | 15.058 | HH | 172458 | 3476715  | 10.65% | 0.177% |
| 262 | 15.069 | 15.058 | 15.091 | HH | 162237 | 3108049  | 9.52%  | 0.158% |
| 263 | 15.115 | 15.091 | 15.191 | HH | 267358 | 11382231 | 34.88% | 0.580% |
| 264 | 15.194 | 15.191 | 15.221 | HH | 162550 | 2895741  | 8.87%  | 0.147% |
| 265 | 15.257 | 15.221 | 15.293 | HH | 241733 | 8552336  | 26.21% | 0.436% |
| 266 | 15.317 | 15.293 | 15.340 | HH | 196702 | 5043169  | 15.45% | 0.257% |
| 267 | 15.362 | 15.340 | 15.387 | HH | 214910 | 5466817  | 16.75% | 0.278% |
| 268 | 15.395 | 15.387 | 15.424 | HH | 180382 | 3768869  | 11.55% | 0.192% |
| 269 | 15.444 | 15.424 | 15.450 | HH | 177082 | 2685731  | 8.23%  | 0.137% |
| 270 | 15.466 | 15.450 | 15.481 | HH | 177224 | 3219327  | 9.86%  | 0.164% |
| 271 | 15.505 | 15.481 | 15.514 | HH | 202998 | 3786712  | 11.60% | 0.193% |
| 272 | 15.517 | 15.514 | 15.544 | HH | 201538 | 3384278  | 10.37% | 0.172% |
| 273 | 15.551 | 15.544 | 15.561 | HH | 181567 | 1769150  | 5.42%  | 0.090% |
| 274 | 15.563 | 15.561 | 15.568 | HH | 177486 | 787606   | 2.41%  | 0.040% |
| 275 | 15.596 | 15.568 | 15.623 | HH | 187683 | 5911605  | 18.11% | 0.301% |
| 276 | 15.650 | 15.623 | 15.670 | HH | 181883 | 4932419  | 15.11% | 0.251% |
| 277 | 15.694 | 15.670 | 15.702 | HH | 184581 | 3437372  | 10.53% | 0.175% |
| 278 | 15.712 | 15.702 | 15.731 | HH | 184272 | 3108569  | 9.53%  | 0.158% |
| 279 | 15.769 | 15.731 | 15.802 | HH | 279990 | 9322455  | 28.57% | 0.475% |
| 280 | 15.809 | 15.802 | 15.847 | HH | 194044 | 5039250  | 15.44% | 0.257% |
| 281 | 15.867 | 15.847 | 15.882 | HH | 182993 | 3699471  | 11.34% | 0.188% |
| 282 | 15.911 | 15.882 | 15.919 | HH | 205122 | 4243455  | 13.00% | 0.216% |
| 283 | 15.925 | 15.919 | 15.932 | HH | 205320 | 1628450  | 4.99%  | 0.083% |
| 284 | 15.941 | 15.932 | 15.984 | HH | 205102 | 6049144  | 18.54% | 0.308% |
| 285 | 16.004 | 15.984 | 16.015 | HH | 192741 | 3490124  | 10.69% | 0.178% |
| 286 | 16.050 | 16.015 | 16.096 | HH | 215474 | 9791562  | 30.00% | 0.499% |
| 287 | 16.139 | 16.096 | 16.191 | HH | 248174 | 12296290 | 37.68% | 0.626% |
| 288 | 16.196 | 16.191 | 16.204 | HH | 204275 | 1599480  | 4.90%  | 0.081% |
| 289 | 16.214 | 16.204 | 16.218 | HH | 203559 | 1757347  | 5.38%  | 0.089% |
| 290 | 16.253 | 16.218 | 16.273 | HH | 442665 | 10307553 | 31.58% | 0.525% |
| 291 | 16.281 | 16.273 | 16.314 | HH | 284857 | 6209131  | 19.03% | 0.316% |
| 292 | 16.328 | 16.314 | 16.347 | HH | 226726 | 4478759  | 13.72% | 0.228% |
| 293 | 16.355 | 16.347 | 16.362 | HH | 226231 | 2071561  | 6.35%  | 0.105% |
| 294 | 16.388 | 16.362 | 16.410 | HH | 263581 | 6930603  | 21.24% | 0.353% |
| 295 | 16.419 | 16.410 | 16.426 | HH | 237954 | 2264065  | 6.94%  | 0.115% |
| 296 | 16.429 | 16.426 | 16.436 | HH | 233988 | 1368146  | 4.19%  | 0.070% |
| 297 | 16.448 | 16.436 | 16.462 | HH | 238015 | 3710109  | 11.37% | 0.189% |
| 298 | 16.470 | 16.462 | 16.476 | HH | 232748 | 1888909  | 5.79%  | 0.096% |
| 299 | 16.481 | 16.476 | 16.490 | HH | 230838 | 1961519  | 6.01%  | 0.100% |

|     |        |        |        |    |                                    |          |        |        |  |
|-----|--------|--------|--------|----|------------------------------------|----------|--------|--------|--|
|     |        |        |        |    | rteres                             |          |        |        |  |
| 300 | 16.499 | 16.490 | 16.513 | HH | 235115                             | 3192992  | 9.78%  | 0.163% |  |
| 301 | 16.578 | 16.513 | 16.611 | HH | 374483                             | 15818630 | 48.47% | 0.806% |  |
| 302 | 16.639 | 16.611 | 16.691 | HH | 385295                             | 13826291 | 42.37% | 0.704% |  |
| 303 | 16.715 | 16.691 | 16.728 | HH | 282114                             | 6009482  | 18.41% | 0.306% |  |
|     |        |        |        |    | Sum of corrected areas: 1963668891 |          |        |        |  |

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