

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE101620\  
 Data File : FE033007.D  
 Signal(s) : FID1B.CH  
 Acq On : 16 Oct 2020 14:35  
 Sample : L4227-01  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\FE101420.M  
 Title :

Signal : FID1B.CH

| peak<br># | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-----------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1         | 4.402       | 4.372        | 4.434      | BH       | 4368           | 42082        | 0.02%          | 0.001%        |
| 2         | 4.450       | 4.434        | 4.461      | PH       | 335            | 2863         | 0.00%          | 0.000%        |
| 3         | 4.481       | 4.461        | 4.504      | HH       | 956            | 15849        | 0.01%          | 0.000%        |
| 4         | 4.526       | 4.504        | 4.536      | HH       | 1081           | 13833        | 0.01%          | 0.000%        |
| 5         | 4.555       | 4.536        | 4.578      | HH       | 6903           | 84807        | 0.05%          | 0.002%        |
| 6         | 4.585       | 4.578        | 4.604      | HH       | 1376           | 19219        | 0.01%          | 0.000%        |
| 7         | 4.624       | 4.604        | 4.672      | HH       | 40674          | 636588       | 0.36%          | 0.016%        |
| 8         | 4.685       | 4.672        | 4.717      | HH       | 5206           | 85690        | 0.05%          | 0.002%        |
| 9         | 4.729       | 4.717        | 4.739      | HH       | 1258           | 15498        | 0.01%          | 0.000%        |
| 10        | 4.780       | 4.739        | 4.802      | HH       | 3669           | 88232        | 0.05%          | 0.002%        |
| 11        | 4.806       | 4.802        | 4.810      | HH       | 2328           | 11203        | 0.01%          | 0.000%        |
| 12        | 4.827       | 4.810        | 4.847      | HH       | 4578           | 67934        | 0.04%          | 0.002%        |
| 13        | 4.874       | 4.847        | 4.921      | HH       | 3472           | 89745        | 0.05%          | 0.002%        |
| 14        | 4.934       | 4.921        | 4.955      | HH       | 861            | 12650        | 0.01%          | 0.000%        |
| 15        | 4.961       | 4.955        | 4.967      | HH       | 507            | 3096         | 0.00%          | 0.000%        |
| 16        | 5.000       | 4.967        | 5.018      | HH       | 2060           | 41885        | 0.02%          | 0.001%        |
| 17        | 5.034       | 5.018        | 5.057      | HH       | 1595           | 27715        | 0.02%          | 0.001%        |
| 18        | 5.094       | 5.057        | 5.129      | HH       | 3804           | 102598       | 0.06%          | 0.003%        |
| 19        | 5.143       | 5.129        | 5.172      | HH       | 2359           | 44155        | 0.02%          | 0.001%        |
| 20        | 5.184       | 5.172        | 5.191      | HH       | 1277           | 13978        | 0.01%          | 0.000%        |
| 21        | 5.210       | 5.191        | 5.244      | HH       | 6878           | 120420       | 0.07%          | 0.003%        |
| 22        | 5.264       | 5.244        | 5.286      | HH       | 6622           | 106123       | 0.06%          | 0.003%        |
| 23        | 5.292       | 5.286        | 5.303      | HH       | 3135           | 31145        | 0.02%          | 0.001%        |
| 24        | 5.321       | 5.303        | 5.365      | HH       | 4546           | 93853        | 0.05%          | 0.002%        |
| 25        | 5.389       | 5.365        | 5.410      | HH       | 1627           | 25872        | 0.01%          | 0.001%        |
| 26        | 5.433       | 5.410        | 5.476      | HH       | 5270           | 97934        | 0.06%          | 0.002%        |
| 27        | 5.494       | 5.476        | 5.531      | HH       | 6926           | 112583       | 0.06%          | 0.003%        |
| 28        | 5.547       | 5.531        | 5.589      | HH       | 3185           | 67934        | 0.04%          | 0.002%        |
| 29        | 5.625       | 5.589        | 5.652      | HH       | 2302           | 55341        | 0.03%          | 0.001%        |
| 30        | 5.706       | 5.652        | 5.727      | HH       | 15166          | 254716       | 0.14%          | 0.006%        |
| 31        | 5.743       | 5.727        | 5.791      | HH       | 17495          | 371918       | 0.21%          | 0.009%        |
| 32        | 5.806       | 5.791        | 5.831      | HH       | 4519           | 92492        | 0.05%          | 0.002%        |
| 33        | 5.850       | 5.831        | 5.868      | HH       | 3291           | 65690        | 0.04%          | 0.002%        |
| 34        | 5.887       | 5.868        | 5.909      | HH       | 4585           | 92259        | 0.05%          | 0.002%        |
| 35        | 5.919       | 5.909        | 5.930      | HH       | 3766           | 47714        | 0.03%          | 0.001%        |
| 36        | 5.952       | 5.930        | 5.965      | HH       | 4920           | 91733        | 0.05%          | 0.002%        |

| rteres |       |       |       |    |        |         |       |        |
|--------|-------|-------|-------|----|--------|---------|-------|--------|
| 37     | 5.989 | 5.965 | 6.063 | HH | 135356 | 1913973 | 1.08% | 0.048% |
| 38     | 6.076 | 6.063 | 6.103 | HH | 7231   | 141659  | 0.08% | 0.004% |
| 39     | 6.124 | 6.103 | 6.185 | HH | 7677   | 247001  | 0.14% | 0.006% |
| 40     | 6.200 | 6.185 | 6.210 | HH | 4027   | 55412   | 0.03% | 0.001% |
| 41     | 6.220 | 6.210 | 6.236 | HH | 4077   | 56122   | 0.03% | 0.001% |
| 42     | 6.265 | 6.236 | 6.290 | HH | 6673   | 157000  | 0.09% | 0.004% |
| 43     | 6.300 | 6.290 | 6.326 | HH | 5206   | 94600   | 0.05% | 0.002% |
| 44     | 6.341 | 6.326 | 6.351 | HH | 3881   | 56174   | 0.03% | 0.001% |
| 45     | 6.371 | 6.351 | 6.396 | HH | 4895   | 116171  | 0.07% | 0.003% |
| 46     | 6.412 | 6.396 | 6.426 | HH | 8124   | 112323  | 0.06% | 0.003% |
| 47     | 6.436 | 6.426 | 6.449 | HH | 5914   | 79746   | 0.04% | 0.002% |
| 48     | 6.458 | 6.449 | 6.472 | HH | 5878   | 77534   | 0.04% | 0.002% |
| 49     | 6.491 | 6.472 | 6.532 | HH | 6474   | 194104  | 0.11% | 0.005% |
| 50     | 6.561 | 6.532 | 6.581 | HH | 6674   | 159446  | 0.09% | 0.004% |
| 51     | 6.600 | 6.581 | 6.636 | HH | 6170   | 173756  | 0.10% | 0.004% |
| 52     | 6.641 | 6.636 | 6.657 | HH | 4623   | 56471   | 0.03% | 0.001% |
| 53     | 6.675 | 6.657 | 6.686 | HH | 5144   | 85113   | 0.05% | 0.002% |
| 54     | 6.693 | 6.686 | 6.710 | HH | 4947   | 67624   | 0.04% | 0.002% |
| 55     | 6.743 | 6.710 | 6.780 | HH | 10975  | 356305  | 0.20% | 0.009% |
| 56     | 6.792 | 6.780 | 6.802 | HH | 9108   | 114416  | 0.06% | 0.003% |
| 57     | 6.819 | 6.802 | 6.841 | HH | 11093  | 222049  | 0.13% | 0.006% |
| 58     | 6.850 | 6.841 | 6.886 | HH | 8744   | 207257  | 0.12% | 0.005% |
| 59     | 6.921 | 6.886 | 6.957 | HH | 12672  | 457496  | 0.26% | 0.011% |
| 60     | 6.976 | 6.957 | 6.997 | HH | 12659  | 283609  | 0.16% | 0.007% |
| 61     | 7.043 | 6.997 | 7.099 | HH | 99504  | 1791675 | 1.01% | 0.045% |
| 62     | 7.113 | 7.099 | 7.156 | HH | 14957  | 441412  | 0.25% | 0.011% |
| 63     | 7.177 | 7.156 | 7.201 | HH | 74687  | 966353  | 0.54% | 0.024% |
| 64     | 7.207 | 7.201 | 7.226 | HH | 17184  | 231198  | 0.13% | 0.006% |
| 65     | 7.232 | 7.226 | 7.269 | HH | 12783  | 286873  | 0.16% | 0.007% |
| 66     | 7.333 | 7.269 | 7.369 | HH | 16521  | 727858  | 0.41% | 0.018% |
| 67     | 7.406 | 7.369 | 7.447 | HH | 13858  | 565038  | 0.32% | 0.014% |
| 68     | 7.464 | 7.447 | 7.479 | HH | 11913  | 216763  | 0.12% | 0.005% |
| 69     | 7.508 | 7.479 | 7.537 | HH | 14084  | 438915  | 0.25% | 0.011% |
| 70     | 7.549 | 7.537 | 7.554 | HH | 12315  | 124655  | 0.07% | 0.003% |
| 71     | 7.565 | 7.554 | 7.579 | HH | 12558  | 184844  | 0.10% | 0.005% |
| 72     | 7.596 | 7.579 | 7.604 | HH | 13359  | 191634  | 0.11% | 0.005% |
| 73     | 7.624 | 7.604 | 7.655 | HH | 17672  | 445264  | 0.25% | 0.011% |
| 74     | 7.699 | 7.655 | 7.732 | HH | 15868  | 660257  | 0.37% | 0.016% |
| 75     | 7.768 | 7.732 | 7.846 | HH | 49037  | 1669262 | 0.94% | 0.041% |
| 76     | 7.864 | 7.846 | 7.872 | HH | 18502  | 280962  | 0.16% | 0.007% |
| 77     | 7.924 | 7.872 | 7.984 | HH | 43927  | 1932163 | 1.09% | 0.048% |
| 78     | 8.023 | 7.984 | 8.030 | HH | 52322  | 942601  | 0.53% | 0.023% |
| 79     | 8.034 | 8.030 | 8.067 | HH | 51260  | 848645  | 0.48% | 0.021% |
| 80     | 8.091 | 8.067 | 8.097 | HH | 32151  | 527346  | 0.30% | 0.013% |
| 81     | 8.107 | 8.097 | 8.117 | HH | 32200  | 378451  | 0.21% | 0.009% |
| 82     | 8.138 | 8.117 | 8.154 | HH | 87737  | 1306965 | 0.74% | 0.032% |
| 83     | 8.168 | 8.154 | 8.186 | HH | 70650  | 1074789 | 0.61% | 0.027% |
| 84     | 8.202 | 8.186 | 8.249 | HH | 57918  | 1603843 | 0.90% | 0.040% |
| 85     | 8.276 | 8.249 | 8.300 | HH | 209002 | 3094210 | 1.74% | 0.077% |
| 86     | 8.325 | 8.300 | 8.349 | HH | 116372 | 2400114 | 1.35% | 0.060% |
| 87     | 8.366 | 8.349 | 8.397 | HH | 87187  | 1745876 | 0.98% | 0.043% |
| 88     | 8.414 | 8.397 | 8.437 | HH | 55632  | 1134823 | 0.64% | 0.028% |
| 89     | 8.456 | 8.437 | 8.507 | HH | 51330  | 1849420 | 1.04% | 0.046% |

|     |        |        |        |    |         |          |        |        |
|-----|--------|--------|--------|----|---------|----------|--------|--------|
|     |        |        |        |    | rteres  |          |        |        |
| 90  | 8.518  | 8.507  | 8.523  | HH | 37438   | 370105   | 0.21%  | 0.009% |
| 91  | 8.591  | 8.523  | 8.597  | HH | 85805   | 2308632  | 1.30%  | 0.057% |
| 92  | 8.624  | 8.597  | 8.646  | HH | 786788  | 9825776  | 5.54%  | 0.244% |
| 93  | 8.662  | 8.646  | 8.687  | HH | 162637  | 2726902  | 1.54%  | 0.068% |
| 94  | 8.700  | 8.687  | 8.712  | HH | 80747   | 1123709  | 0.63%  | 0.028% |
| 95  | 8.729  | 8.712  | 8.760  | HH | 114538  | 2456248  | 1.38%  | 0.061% |
| 96  | 8.787  | 8.760  | 8.800  | HH | 70290   | 1588823  | 0.90%  | 0.039% |
| 97  | 8.830  | 8.800  | 8.841  | HH | 86592   | 1979231  | 1.12%  | 0.049% |
| 98  | 8.859  | 8.841  | 8.874  | HH | 140983  | 2170187  | 1.22%  | 0.054% |
| 99  | 8.897  | 8.874  | 8.922  | HH | 508717  | 7098509  | 4.00%  | 0.176% |
| 100 | 8.948  | 8.922  | 8.968  | HH | 112682  | 2823748  | 1.59%  | 0.070% |
| 101 | 8.982  | 8.968  | 9.011  | HH | 91155   | 2227311  | 1.26%  | 0.055% |
| 102 | 9.029  | 9.011  | 9.051  | HH | 113579  | 2334968  | 1.32%  | 0.058% |
| 103 | 9.071  | 9.051  | 9.088  | HH | 121474  | 2299640  | 1.30%  | 0.057% |
| 104 | 9.110  | 9.088  | 9.127  | HH | 100256  | 2268785  | 1.28%  | 0.056% |
| 105 | 9.135  | 9.127  | 9.146  | HH | 95081   | 1037559  | 0.58%  | 0.026% |
| 106 | 9.186  | 9.146  | 9.203  | HH | 125400  | 3535498  | 1.99%  | 0.088% |
| 107 | 9.222  | 9.203  | 9.258  | HH | 124599  | 3811164  | 2.15%  | 0.095% |
| 108 | 9.276  | 9.258  | 9.292  | HH | 124924  | 2325049  | 1.31%  | 0.058% |
| 109 | 9.333  | 9.292  | 9.355  | HH | 161952  | 5123933  | 2.89%  | 0.127% |
| 110 | 9.371  | 9.355  | 9.377  | HH | 132384  | 1715810  | 0.97%  | 0.043% |
| 111 | 9.418  | 9.377  | 9.457  | HH | 1167581 | 20374400 | 11.49% | 0.506% |
| 112 | 9.489  | 9.457  | 9.494  | HH | 197709  | 3844882  | 2.17%  | 0.096% |
| 113 | 9.498  | 9.494  | 9.516  | HH | 196955  | 2429072  | 1.37%  | 0.060% |
| 114 | 9.529  | 9.516  | 9.540  | HH | 192886  | 2603089  | 1.47%  | 0.065% |
| 115 | 9.560  | 9.540  | 9.576  | HH | 307314  | 5073024  | 2.86%  | 0.126% |
| 116 | 9.584  | 9.576  | 9.601  | HH | 213488  | 2968454  | 1.67%  | 0.074% |
| 117 | 9.620  | 9.601  | 9.642  | HH | 265526  | 5212248  | 2.94%  | 0.130% |
| 118 | 9.648  | 9.642  | 9.662  | HH | 178803  | 2081970  | 1.17%  | 0.052% |
| 119 | 9.680  | 9.662  | 9.707  | HH | 186454  | 4872876  | 2.75%  | 0.121% |
| 120 | 9.730  | 9.707  | 9.762  | HH | 300498  | 7502890  | 4.23%  | 0.186% |
| 121 | 9.779  | 9.762  | 9.795  | HH | 215733  | 4124121  | 2.32%  | 0.102% |
| 122 | 9.833  | 9.795  | 9.856  | HH | 371238  | 9669468  | 5.45%  | 0.240% |
| 123 | 9.864  | 9.856  | 9.880  | HH | 252978  | 3569448  | 2.01%  | 0.089% |
| 124 | 9.895  | 9.880  | 9.908  | HH | 252022  | 3990397  | 2.25%  | 0.099% |
| 125 | 9.920  | 9.908  | 9.953  | HH | 245928  | 6368207  | 3.59%  | 0.158% |
| 126 | 9.998  | 9.953  | 10.020 | HH | 264377  | 9972874  | 5.62%  | 0.248% |
| 127 | 10.068 | 10.020 | 10.078 | HH | 270885  | 8972605  | 5.06%  | 0.223% |
| 128 | 10.101 | 10.078 | 10.120 | HH | 285337  | 7084102  | 3.99%  | 0.176% |
| 129 | 10.129 | 10.120 | 10.140 | HH | 287031  | 3307392  | 1.86%  | 0.082% |
| 130 | 10.162 | 10.140 | 10.175 | HH | 320809  | 6410832  | 3.61%  | 0.159% |
| 131 | 10.205 | 10.175 | 10.223 | HH | 406382  | 10370060 | 5.85%  | 0.258% |
| 132 | 10.238 | 10.223 | 10.245 | HH | 349994  | 4630144  | 2.61%  | 0.115% |
| 133 | 10.299 | 10.245 | 10.321 | HH | 537404  | 19289834 | 10.87% | 0.479% |
| 134 | 10.344 | 10.321 | 10.376 | HH | 483099  | 13857807 | 7.81%  | 0.344% |
| 135 | 10.416 | 10.376 | 10.433 | HH | 500636  | 15003820 | 8.46%  | 0.373% |
| 136 | 10.437 | 10.433 | 10.460 | HH | 450002  | 7361667  | 4.15%  | 0.183% |
| 137 | 10.490 | 10.460 | 10.524 | HH | 530110  | 18457759 | 10.41% | 0.459% |
| 138 | 10.594 | 10.524 | 10.601 | HH | 552397  | 22909591 | 12.91% | 0.569% |
| 139 | 10.628 | 10.601 | 10.638 | HH | 783627  | 14937575 | 8.42%  | 0.371% |
| 140 | 10.652 | 10.638 | 10.679 | HH | 858824  | 17420863 | 9.82%  | 0.433% |
| 141 | 10.691 | 10.679 | 10.707 | HH | 545681  | 9077188  | 5.12%  | 0.226% |

| rteres |        |        |        |    |         |           |         |        |
|--------|--------|--------|--------|----|---------|-----------|---------|--------|
| 142    | 10.728 | 10.707 | 10.760 | HH | 544468  | 16761295  | 9.45%   | 0.417% |
| 143    | 10.884 | 10.760 | 10.906 | HH | 4444795 | 151038570 | 85.15%  | 3.754% |
| 144    | 10.948 | 10.906 | 10.986 | HH | 2915748 | 69802331  | 39.35%  | 1.735% |
| 145    | 10.993 | 10.986 | 11.024 | HH | 759711  | 16886461  | 9.52%   | 0.420% |
| 146    | 11.047 | 11.024 | 11.062 | HH | 764791  | 16736943  | 9.44%   | 0.416% |
| 147    | 11.077 | 11.062 | 11.086 | HH | 735291  | 10131448  | 5.71%   | 0.252% |
| 148    | 11.106 | 11.086 | 11.120 | HH | 879051  | 16666021  | 9.40%   | 0.414% |
| 149    | 11.152 | 11.120 | 11.178 | HH | 1836089 | 41161037  | 23.20%  | 1.023% |
| 150    | 11.198 | 11.178 | 11.206 | HH | 828641  | 13876577  | 7.82%   | 0.345% |
| 151    | 11.211 | 11.206 | 11.217 | HH | 811289  | 5141400   | 2.90%   | 0.128% |
| 152    | 11.250 | 11.217 | 11.289 | HH | 858951  | 35879143  | 20.23%  | 0.892% |
| 153    | 11.299 | 11.289 | 11.311 | HH | 806530  | 10722230  | 6.04%   | 0.266% |
| 154    | 11.368 | 11.311 | 11.398 | HH | 1041238 | 46547972  | 26.24%  | 1.157% |
| 155    | 11.435 | 11.398 | 11.464 | HH | 879917  | 33516845  | 18.89%  | 0.833% |
| 156    | 11.496 | 11.464 | 11.527 | HH | 921677  | 33380931  | 18.82%  | 0.830% |
| 157    | 11.537 | 11.527 | 11.550 | HH | 893560  | 12165841  | 6.86%   | 0.302% |
| 158    | 11.577 | 11.550 | 11.610 | HH | 952647  | 32532990  | 18.34%  | 0.809% |
| 159    | 11.653 | 11.610 | 11.670 | HH | 1460846 | 39642675  | 22.35%  | 0.985% |
| 160    | 11.690 | 11.670 | 11.719 | HH | 1656273 | 37308392  | 21.03%  | 0.927% |
| 161    | 11.779 | 11.719 | 11.794 | HH | 1853125 | 60100676  | 33.88%  | 1.494% |
| 162    | 11.810 | 11.794 | 11.822 | HH | 1353567 | 20959973  | 11.82%  | 0.521% |
| 163    | 11.840 | 11.822 | 11.867 | HH | 1539290 | 33549634  | 18.91%  | 0.834% |
| 164    | 11.900 | 11.867 | 11.911 | HH | 1106123 | 26471278  | 14.92%  | 0.658% |
| 165    | 11.928 | 11.911 | 11.962 | HH | 1100833 | 31937906  | 18.00%  | 0.794% |
| 166    | 11.967 | 11.962 | 12.001 | HH | 985131  | 22506925  | 12.69%  | 0.559% |
| 167    | 12.042 | 12.001 | 12.079 | HH | 1213060 | 50980568  | 28.74%  | 1.267% |
| 168    | 12.086 | 12.079 | 12.098 | HH | 1049128 | 12006667  | 6.77%   | 0.298% |
| 169    | 12.124 | 12.098 | 12.143 | HH | 1359710 | 31101989  | 17.53%  | 0.773% |
| 170    | 12.148 | 12.143 | 12.166 | HH | 1061259 | 14685263  | 8.28%   | 0.365% |
| 171    | 12.195 | 12.166 | 12.211 | HH | 1129036 | 29120056  | 16.42%  | 0.724% |
| 172    | 12.217 | 12.211 | 12.222 | HH | 1050070 | 6873106   | 3.87%   | 0.171% |
| 173    | 12.263 | 12.222 | 12.294 | HH | 1361260 | 49719358  | 28.03%  | 1.236% |
| 174    | 12.314 | 12.294 | 12.333 | HH | 1002272 | 22883861  | 12.90%  | 0.569% |
| 175    | 12.349 | 12.333 | 12.354 | HH | 1046155 | 12836345  | 7.24%   | 0.319% |
| 176    | 12.358 | 12.354 | 12.364 | HH | 1047503 | 6041870   | 3.41%   | 0.150% |
| 177    | 12.374 | 12.364 | 12.394 | HH | 1063376 | 18659203  | 10.52%  | 0.464% |
| 178    | 12.407 | 12.394 | 12.427 | HH | 1005492 | 19379180  | 10.92%  | 0.482% |
| 179    | 12.449 | 12.427 | 12.503 | HH | 1078963 | 44539577  | 25.11%  | 1.107% |
| 180    | 12.526 | 12.503 | 12.532 | HH | 980479  | 16701447  | 9.42%   | 0.415% |
| 181    | 12.562 | 12.532 | 12.590 | HH | 1191756 | 37886689  | 21.36%  | 0.942% |
| 182    | 12.597 | 12.590 | 12.617 | HH | 1016958 | 15966174  | 9.00%   | 0.397% |
| 183    | 12.635 | 12.617 | 12.647 | HH | 995342  | 17347462  | 9.78%   | 0.431% |
| 184    | 12.742 | 12.647 | 12.768 | HH | 4478831 | 177389595 | 100.00% | 4.409% |
| 185    | 12.786 | 12.768 | 12.815 | HH | 1030231 | 27200432  | 15.33%  | 0.676% |
| 186    | 12.839 | 12.815 | 12.856 | HH | 990869  | 23047854  | 12.99%  | 0.573% |
| 187    | 12.876 | 12.856 | 12.895 | HH | 1079584 | 23245858  | 13.10%  | 0.578% |
| 188    | 12.906 | 12.895 | 12.932 | HH | 968740  | 21204427  | 11.95%  | 0.527% |
| 189    | 13.040 | 12.932 | 13.052 | HH | 3879172 | 147937301 | 83.40%  | 3.677% |
| 190    | 13.063 | 13.052 | 13.075 | HH | 1800818 | 22237126  | 12.54%  | 0.553% |
| 191    | 13.088 | 13.075 | 13.130 | HH | 1631966 | 40150935  | 22.63%  | 0.998% |
| 192    | 13.164 | 13.130 | 13.182 | HH | 1108813 | 30834161  | 17.38%  | 0.766% |
| 193    | 13.216 | 13.182 | 13.237 | HH | 1056932 | 32531162  | 18.34%  | 0.808% |
| 194    | 13.258 | 13.237 | 13.297 | HH | 1279262 | 37789530  | 21.30%  | 0.939% |

| rteres |        |        |        |    |         |          |        |        |
|--------|--------|--------|--------|----|---------|----------|--------|--------|
| 195    | 13.313 | 13.297 | 13.325 | HH | 973317  | 16019534 | 9.03%  | 0.398% |
| 196    | 13.340 | 13.325 | 13.361 | HH | 976205  | 19923082 | 11.23% | 0.495% |
| 197    | 13.383 | 13.361 | 13.411 | HH | 1002763 | 28307558 | 15.96% | 0.704% |
| 198    | 13.455 | 13.411 | 13.503 | HH | 1370744 | 56689254 | 31.96% | 1.409% |
| 199    | 13.524 | 13.503 | 13.531 | HH | 863844  | 13968500 | 7.87%  | 0.347% |
| 200    | 13.597 | 13.531 | 13.621 | HH | 1859063 | 65698787 | 37.04% | 1.633% |
| 201    | 13.637 | 13.621 | 13.656 | HH | 916940  | 18048951 | 10.17% | 0.449% |
| 202    | 13.698 | 13.656 | 13.719 | HH | 1562813 | 43512282 | 24.53% | 1.081% |
| 203    | 13.741 | 13.719 | 13.757 | HH | 1383280 | 26506755 | 14.94% | 0.659% |
| 204    | 13.764 | 13.757 | 13.789 | HH | 1086846 | 18954666 | 10.69% | 0.471% |
| 205    | 13.808 | 13.789 | 13.816 | HH | 916655  | 14074295 | 7.93%  | 0.350% |
| 206    | 13.867 | 13.816 | 13.885 | HH | 1306954 | 43805418 | 24.69% | 1.089% |
| 207    | 13.906 | 13.885 | 13.927 | HH | 1261412 | 26089041 | 14.71% | 0.648% |
| 208    | 13.941 | 13.927 | 13.957 | HH | 853016  | 14894559 | 8.40%  | 0.370% |
| 209    | 13.963 | 13.957 | 13.975 | HH | 821462  | 8678754  | 4.89%  | 0.216% |
| 210    | 13.994 | 13.975 | 14.001 | HH | 849945  | 12958740 | 7.31%  | 0.322% |
| 211    | 14.007 | 14.001 | 14.028 | HH | 846395  | 13158496 | 7.42%  | 0.327% |
| 212    | 14.043 | 14.028 | 14.059 | HH | 819042  | 14801975 | 8.34%  | 0.368% |
| 213    | 14.072 | 14.059 | 14.081 | HH | 796832  | 10369419 | 5.85%  | 0.258% |
| 214    | 14.086 | 14.081 | 14.116 | HH | 781038  | 16273818 | 9.17%  | 0.404% |
| 215    | 14.132 | 14.116 | 14.142 | HH | 767712  | 11655356 | 6.57%  | 0.290% |
| 216    | 14.158 | 14.142 | 14.191 | HH | 809134  | 22494793 | 12.68% | 0.559% |
| 217    | 14.207 | 14.191 | 14.226 | HH | 759476  | 15408264 | 8.69%  | 0.383% |
| 218    | 14.243 | 14.226 | 14.256 | HH | 839868  | 14573729 | 8.22%  | 0.362% |
| 219    | 14.291 | 14.256 | 14.318 | HH | 889961  | 32445930 | 18.29% | 0.806% |
| 220    | 14.334 | 14.318 | 14.365 | HH | 927203  | 23625795 | 13.32% | 0.587% |
| 221    | 14.387 | 14.365 | 14.402 | HH | 819661  | 17532837 | 9.88%  | 0.436% |
| 222    | 14.419 | 14.402 | 14.443 | HH | 853354  | 20237142 | 11.41% | 0.503% |
| 223    | 14.449 | 14.443 | 14.466 | HH | 767453  | 10452800 | 5.89%  | 0.260% |
| 224    | 14.499 | 14.466 | 14.524 | HH | 1083406 | 31185974 | 17.58% | 0.775% |
| 225    | 14.553 | 14.524 | 14.564 | HH | 1159928 | 24787105 | 13.97% | 0.616% |
| 226    | 14.569 | 14.564 | 14.590 | HH | 1146746 | 15553502 | 8.77%  | 0.387% |
| 227    | 14.606 | 14.590 | 14.638 | HH | 892160  | 24228489 | 13.66% | 0.602% |
| 228    | 14.665 | 14.638 | 14.672 | HH | 853565  | 16103822 | 9.08%  | 0.400% |
| 229    | 14.693 | 14.672 | 14.720 | HH | 1115429 | 26153220 | 14.74% | 0.650% |
| 230    | 14.743 | 14.720 | 14.784 | HH | 798915  | 27526535 | 15.52% | 0.684% |
| 231    | 14.792 | 14.784 | 14.799 | HH | 625772  | 5626301  | 3.17%  | 0.140% |
| 232    | 14.811 | 14.799 | 14.822 | HH | 623432  | 8604613  | 4.85%  | 0.214% |
| 233    | 14.912 | 14.822 | 14.926 | HH | 1922451 | 81195082 | 45.77% | 2.018% |
| 234    | 14.958 | 14.926 | 14.975 | HH | 2476431 | 53394687 | 30.10% | 1.327% |
| 235    | 14.986 | 14.975 | 14.998 | HH | 740039  | 10141749 | 5.72%  | 0.252% |
| 236    | 15.053 | 14.998 | 15.079 | HH | 1130852 | 42395168 | 23.90% | 1.054% |
| 237    | 15.084 | 15.079 | 15.104 | HH | 793600  | 11049350 | 6.23%  | 0.275% |
| 238    | 15.140 | 15.104 | 15.155 | HH | 785835  | 22250559 | 12.54% | 0.553% |
| 239    | 15.162 | 15.155 | 15.169 | HH | 711694  | 5969963  | 3.37%  | 0.148% |
| 240    | 15.198 | 15.169 | 15.209 | HH | 822391  | 18805096 | 10.60% | 0.467% |
| 241    | 15.224 | 15.209 | 15.245 | HH | 885492  | 17155085 | 9.67%  | 0.426% |
| 242    | 15.271 | 15.245 | 15.297 | HH | 886012  | 24256800 | 13.67% | 0.603% |
| 243    | 15.324 | 15.297 | 15.358 | HH | 783390  | 26723883 | 15.07% | 0.664% |
| 244    | 15.362 | 15.358 | 15.393 | HH | 691682  | 14054974 | 7.92%  | 0.349% |
| 245    | 15.406 | 15.393 | 15.410 | HH | 662395  | 6897500  | 3.89%  | 0.171% |
| 246    | 15.431 | 15.410 | 15.445 | HH | 683896  | 14050958 | 7.92%  | 0.349% |

|     |        |        |        |    |                                    |          |        |        |
|-----|--------|--------|--------|----|------------------------------------|----------|--------|--------|
|     |        |        |        |    |                                    | rteres   |        |        |
| 247 | 15.456 | 15.445 | 15.475 | HH | 684292                             | 11730780 | 6.61%  | 0.292% |
| 248 | 15.499 | 15.475 | 15.520 | HH | 710872                             | 18227907 | 10.28% | 0.453% |
| 249 | 15.557 | 15.520 | 15.577 | HH | 1237108                            | 32006716 | 18.04% | 0.795% |
| 250 | 15.596 | 15.577 | 15.626 | HH | 916766                             | 23115110 | 13.03% | 0.574% |
| 251 | 15.649 | 15.626 | 15.672 | HH | 802575                             | 20527972 | 11.57% | 0.510% |
| 252 | 15.702 | 15.672 | 15.715 | HH | 1002147                            | 22359354 | 12.60% | 0.556% |
| 253 | 15.724 | 15.715 | 15.757 | HH | 959033                             | 21245302 | 11.98% | 0.528% |
| 254 | 15.778 | 15.757 | 15.801 | HH | 838463                             | 19270656 | 10.86% | 0.479% |
| 255 | 15.830 | 15.801 | 15.842 | HH | 661464                             | 15974492 | 9.01%  | 0.397% |
| 256 | 15.864 | 15.842 | 15.915 | HH | 715463                             | 28422939 | 16.02% | 0.706% |
| 257 | 15.965 | 15.915 | 16.009 | HH | 732183                             | 37996550 | 21.42% | 0.944% |
| 258 | 16.015 | 16.009 | 16.022 | HH | 625129                             | 4749525  | 2.68%  | 0.118% |
| 259 | 16.042 | 16.022 | 16.057 | HH | 658791                             | 13240629 | 7.46%  | 0.329% |
| 260 | 16.062 | 16.057 | 16.075 | HH | 630375                             | 6782685  | 3.82%  | 0.169% |
| 261 | 16.095 | 16.075 | 16.104 | HH | 665797                             | 11312829 | 6.38%  | 0.281% |
| 262 | 16.109 | 16.104 | 16.122 | HH | 665776                             | 7074253  | 3.99%  | 0.176% |
| 263 | 16.138 | 16.122 | 16.166 | HH | 701070                             | 17725473 | 9.99%  | 0.441% |
| 264 | 16.183 | 16.166 | 16.196 | HH | 676173                             | 11833699 | 6.67%  | 0.294% |
| 265 | 16.243 | 16.196 | 16.272 | HH | 747664                             | 32501375 | 18.32% | 0.808% |
| 266 | 16.290 | 16.272 | 16.299 | HH | 689875                             | 10879778 | 6.13%  | 0.270% |
| 267 | 16.307 | 16.299 | 16.326 | HH | 692702                             | 11011055 | 6.21%  | 0.274% |
| 268 | 16.342 | 16.326 | 16.381 | HH | 713041                             | 22862219 | 12.89% | 0.568% |
| 269 | 16.387 | 16.381 | 16.393 | HH | 679474                             | 4689330  | 2.64%  | 0.117% |
| 270 | 16.399 | 16.393 | 16.411 | HH | 677918                             | 7299372  | 4.11%  | 0.181% |
| 271 | 16.488 | 16.411 | 16.546 | HH | 1927983                            | 96269309 | 54.27% | 2.393% |
| 272 | 16.555 | 16.546 | 16.564 | HH | 703985                             | 7527266  | 4.24%  | 0.187% |
| 273 | 16.599 | 16.564 | 16.646 | HH | 958273                             | 39105973 | 22.05% | 0.972% |
| 274 | 16.652 | 16.646 | 16.659 | HH | 681159                             | 5280515  | 2.98%  | 0.131% |
| 275 | 16.668 | 16.659 | 16.686 | HH | 686526                             | 10989233 | 6.19%  | 0.273% |
| 276 | 16.703 | 16.686 | 16.711 | HH | 721335                             | 10509717 | 5.92%  | 0.261% |
| 277 | 16.730 | 16.711 | 16.743 | HH | 746036                             | 14087565 | 7.94%  | 0.350% |
| 278 | 16.801 | 16.743 | 16.826 | HH | 1308879                            | 50500516 | 28.47% | 1.255% |
|     |        |        |        |    | Sum of corrected areas: 4023698889 |          |        |        |

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