

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE050820\  
 Data File : FE031948.D  
 Signal(s) : FID1B.CH  
 Acq On : 08 May 2020 19:44  
 Sample : L2556-06MSD  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\FE050720.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         | 2.142       | 2.105        | 2.281      | BH       | 575229         | 4755288      | 18.00%         | 0.427%        |
| 2         | 2.291       | 2.281        | 2.334      | PH       | 239            | -3513        | -0.01%         | -0.000%       |
| 3         | 2.353       | 2.334        | 2.375      | PH       | 2029           | 7979         | 0.03%          | 0.001%        |
| 4         | 2.391       | 2.375        | 2.461      | PH       | 640            | -42238       | -0.16%         | -0.004%       |
| 5         | 2.472       | 2.461        | 2.488      | PH       | -1314          | -22053       | -0.08%         | -0.002%       |
| 6         | 2.509       | 2.488        | 2.558      | PH       | -933           | -50548       | -0.19%         | -0.005%       |
| 7         | 2.584       | 2.558        | 2.651      | PH       | -198           | -52825       | -0.20%         | -0.005%       |
| 8         | 2.671       | 2.651        | 2.711      | PH       | -1040          | -43318       | -0.16%         | -0.004%       |
| 9         | 2.722       | 2.711        | 2.815      | PH       | -1336          | -101443      | -0.38%         | -0.009%       |
| 10        | 2.835       | 2.815        | 3.038      | PH       | 43606          | 998412       | 3.78%          | 0.090%        |
| 11        | 3.041       | 3.038        | 3.081      | HH       | 377            | 2668         | 0.01%          | 0.000%        |
| 12        | 3.102       | 3.081        | 3.185      | PH       | 306            | -16408       | -0.06%         | -0.001%       |
| 13        | 3.204       | 3.185        | 3.228      | PH       | -576           | -17144       | -0.06%         | -0.002%       |
| 14        | 3.258       | 3.228        | 3.278      | PH       | -580           | -21312       | -0.08%         | -0.002%       |
| 15        | 3.297       | 3.278        | 3.338      | PH       | -790           | -34105       | -0.13%         | -0.003%       |
| 16        | 3.349       | 3.338        | 3.357      | PH       | -949           | -11744       | -0.04%         | -0.001%       |
| 17        | 3.378       | 3.357        | 3.438      | PH       | 5317           | -170         | -0.00%         | -0.000%       |
| 18        | 3.452       | 3.438        | 3.478      | PH       | -1245          | -32038       | -0.12%         | -0.003%       |
| 19        | 3.503       | 3.478        | 3.531      | PH       | -478           | -31289       | -0.12%         | -0.003%       |
| 20        | 3.547       | 3.531        | 3.569      | PH       | -406           | -18117       | -0.07%         | -0.002%       |
| 21        | 3.608       | 3.569        | 3.639      | PH       | -525           | -35120       | -0.13%         | -0.003%       |
| 22        | 3.663       | 3.639        | 3.710      | PH       | -576           | -35478       | -0.13%         | -0.003%       |
| 23        | 3.741       | 3.710        | 3.755      | PH       | -839           | -26509       | -0.10%         | -0.002%       |
| 24        | 3.781       | 3.755        | 3.819      | PH       | 1995           | 18248        | 0.07%          | 0.002%        |
| 25        | 3.830       | 3.819        | 3.873      | PH       | 134            | -9008        | -0.03%         | -0.001%       |
| 26        | 3.935       | 3.873        | 3.951      | PH       | 310            | -6189        | -0.02%         | -0.001%       |
| 27        | 3.973       | 3.951        | 4.006      | HH       | 449            | 10564        | 0.04%          | 0.001%        |
| 28        | 4.038       | 4.006        | 4.052      | HH       | 470            | 8909         | 0.03%          | 0.001%        |
| 29        | 4.073       | 4.052        | 4.101      | HH       | 450            | 9723         | 0.04%          | 0.001%        |
| 30        | 4.134       | 4.101        | 4.225      | HH       | 561541         | 5711634      | 21.62%         | 0.513%        |
| 31        | 4.239       | 4.225        | 4.268      | HH       | 2326           | 45782        | 0.17%          | 0.004%        |
| 32        | 4.297       | 4.268        | 4.318      | HH       | 4060           | 86745        | 0.33%          | 0.008%        |
| 33        | 4.328       | 4.318        | 4.348      | HH       | 2794           | 40434        | 0.15%          | 0.004%        |
| 34        | 4.378       | 4.348        | 4.553      | HH       | 3160           | 161555       | 0.61%          | 0.015%        |
| 35        | 4.588       | 4.553        | 4.611      | PH       | 549            | 8773         | 0.03%          | 0.001%        |
| 36        | 4.648       | 4.611        | 4.688      | HH       | 452            | 15802        | 0.06%          | 0.001%        |

|    |       |       |       |    | rteres |         |        |         |
|----|-------|-------|-------|----|--------|---------|--------|---------|
| 37 | 4.697 | 4.688 | 4.745 | HH | 301    | 4397    | 0.02%  | 0.000%  |
| 38 | 4.763 | 4.745 | 4.782 | PH | 155    | 1205    | 0.00%  | 0.000%  |
| 39 | 4.799 | 4.782 | 4.841 | PH | 289    | -71     | -0.00% | -0.000% |
| 40 | 4.950 | 4.841 | 4.993 | PH | 355    | 2068    | 0.01%  | 0.000%  |
| 41 | 5.027 | 4.993 | 5.083 | HH | 1013   | 31632   | 0.12%  | 0.003%  |
| 42 | 5.102 | 5.083 | 5.128 | HH | 721    | 9610    | 0.04%  | 0.001%  |
| 43 | 5.161 | 5.128 | 5.253 | HH | 3187   | 40992   | 0.16%  | 0.004%  |
| 44 | 5.278 | 5.253 | 5.295 | PH | 177    | -1426   | -0.01% | -0.000% |
| 45 | 5.310 | 5.295 | 5.335 | PH | 917    | 6158    | 0.02%  | 0.001%  |
| 46 | 5.347 | 5.335 | 5.388 | PH | -179   | -9655   | -0.04% | -0.001% |
| 47 | 5.405 | 5.388 | 5.417 | PH | -6     | -2808   | -0.01% | -0.000% |
| 48 | 5.445 | 5.417 | 5.460 | PH | 600    | 7471    | 0.03%  | 0.001%  |
| 49 | 5.499 | 5.460 | 5.515 | HH | 1475   | 34547   | 0.13%  | 0.003%  |
| 50 | 5.534 | 5.515 | 5.581 | HH | 1546   | 49295   | 0.19%  | 0.004%  |
| 51 | 5.599 | 5.581 | 5.680 | HH | 1990   | 42966   | 0.16%  | 0.004%  |
| 52 | 5.716 | 5.680 | 5.830 | HH | 41058  | 1173316 | 4.44%  | 0.105%  |
| 53 | 5.851 | 5.830 | 5.928 | HH | 8743   | 278869  | 1.06%  | 0.025%  |
| 54 | 5.942 | 5.928 | 6.019 | HH | 3272   | 137366  | 0.52%  | 0.012%  |
| 55 | 6.028 | 6.019 | 6.095 | HH | 1914   | 57346   | 0.22%  | 0.005%  |
| 56 | 6.132 | 6.095 | 6.262 | HH | 511104 | 6064663 | 22.96% | 0.545%  |
| 57 | 6.275 | 6.262 | 6.335 | HH | 2559   | 90596   | 0.34%  | 0.008%  |
| 58 | 6.353 | 6.335 | 6.388 | HH | 1900   | 55185   | 0.21%  | 0.005%  |
| 59 | 6.417 | 6.388 | 6.507 | HH | 1991   | 86997   | 0.33%  | 0.008%  |
| 60 | 6.537 | 6.507 | 6.552 | HH | 893    | 19459   | 0.07%  | 0.002%  |
| 61 | 6.571 | 6.552 | 6.598 | HH | 975    | 22563   | 0.09%  | 0.002%  |
| 62 | 6.605 | 6.598 | 6.628 | HH | 761    | 11892   | 0.05%  | 0.001%  |
| 63 | 6.781 | 6.628 | 6.873 | HH | 10438  | 551319  | 2.09%  | 0.050%  |
| 64 | 6.899 | 6.873 | 7.026 | HH | 10309  | 401944  | 1.52%  | 0.036%  |
| 65 | 7.052 | 7.026 | 7.183 | HH | 4578   | 179557  | 0.68%  | 0.016%  |
| 66 | 7.195 | 7.183 | 7.202 | HH | 1007   | 10717   | 0.04%  | 0.001%  |
| 67 | 7.218 | 7.202 | 7.246 | HH | 1138   | 25457   | 0.10%  | 0.002%  |
| 68 | 7.282 | 7.246 | 7.298 | HH | 1087   | 26673   | 0.10%  | 0.002%  |
| 69 | 7.325 | 7.298 | 7.365 | HH | 3075   | 60494   | 0.23%  | 0.005%  |
| 70 | 7.375 | 7.365 | 7.395 | HH | 866    | 12653   | 0.05%  | 0.001%  |
| 71 | 7.404 | 7.395 | 7.427 | HH | 627    | 10602   | 0.04%  | 0.001%  |
| 72 | 7.502 | 7.427 | 7.593 | HH | 4307   | 184669  | 0.70%  | 0.017%  |
| 73 | 7.614 | 7.593 | 7.628 | HH | 1901   | 33977   | 0.13%  | 0.003%  |
| 74 | 7.668 | 7.628 | 7.718 | HH | 3930   | 147291  | 0.56%  | 0.013%  |
| 75 | 7.770 | 7.718 | 7.801 | HH | 5251   | 193250  | 0.73%  | 0.017%  |
| 76 | 7.855 | 7.801 | 7.873 | HH | 12722  | 271940  | 1.03%  | 0.024%  |
| 77 | 7.921 | 7.873 | 7.975 | HH | 557948 | 6700392 | 25.37% | 0.602%  |
| 78 | 7.999 | 7.975 | 8.022 | HH | 76857  | 1122267 | 4.25%  | 0.101%  |
| 79 | 8.036 | 8.022 | 8.110 | HH | 45585  | 1097283 | 4.15%  | 0.099%  |
| 80 | 8.126 | 8.110 | 8.256 | HH | 6960   | 307979  | 1.17%  | 0.028%  |
| 81 | 8.322 | 8.256 | 8.377 | HH | 74693  | 1257715 | 4.76%  | 0.113%  |
| 82 | 8.408 | 8.377 | 8.438 | HH | 8155   | 261636  | 0.99%  | 0.024%  |
| 83 | 8.451 | 8.438 | 8.481 | HH | 5588   | 127384  | 0.48%  | 0.011%  |
| 84 | 8.510 | 8.481 | 8.539 | HH | 9283   | 179604  | 0.68%  | 0.016%  |
| 85 | 8.568 | 8.539 | 8.593 | HH | 10326  | 202213  | 0.77%  | 0.018%  |
| 86 | 8.618 | 8.593 | 8.719 | HH | 21492  | 862681  | 3.27%  | 0.077%  |
| 87 | 8.740 | 8.719 | 8.766 | HH | 12026  | 234653  | 0.89%  | 0.021%  |
| 88 | 8.785 | 8.766 | 8.861 | HH | 8135   | 294062  | 1.11%  | 0.026%  |
| 89 | 8.892 | 8.861 | 8.915 | HH | 8078   | 172269  | 0.65%  | 0.015%  |

| rteres |        |        |        |    |         |          |        |        |
|--------|--------|--------|--------|----|---------|----------|--------|--------|
| 90     | 8.934  | 8.915  | 8.970  | HH | 6597    | 164035   | 0.62%  | 0.015% |
| 91     | 9.028  | 8.970  | 9.058  | HH | 8351    | 297940   | 1.13%  | 0.027% |
| 92     | 9.076  | 9.058  | 9.087  | HH | 4870    | 79843    | 0.30%  | 0.007% |
| 93     | 9.117  | 9.087  | 9.172  | HH | 56867   | 1280346  | 4.85%  | 0.115% |
| 94     | 9.187  | 9.172  | 9.216  | HH | 14054   | 294886   | 1.12%  | 0.026% |
| 95     | 9.263  | 9.216  | 9.304  | HH | 21717   | 736783   | 2.79%  | 0.066% |
| 96     | 9.325  | 9.304  | 9.368  | HH | 12798   | 397718   | 1.51%  | 0.036% |
| 97     | 9.388  | 9.368  | 9.418  | HH | 13707   | 313543   | 1.19%  | 0.028% |
| 98     | 9.443  | 9.418  | 9.484  | HH | 19216   | 535391   | 2.03%  | 0.048% |
| 99     | 9.518  | 9.484  | 9.590  | HH | 546436  | 6960514  | 26.35% | 0.625% |
| 100    | 9.617  | 9.590  | 9.645  | HH | 13861   | 391550   | 1.48%  | 0.035% |
| 101    | 9.670  | 9.645  | 9.775  | HH | 35609   | 1077729  | 4.08%  | 0.097% |
| 102    | 9.797  | 9.775  | 9.817  | HH | 6375    | 158511   | 0.60%  | 0.014% |
| 103    | 9.857  | 9.817  | 9.881  | HH | 8784    | 281427   | 1.07%  | 0.025% |
| 104    | 9.907  | 9.881  | 9.938  | HH | 11115   | 308018   | 1.17%  | 0.028% |
| 105    | 10.002 | 9.938  | 10.025 | HH | 20877   | 734261   | 2.78%  | 0.066% |
| 106    | 10.042 | 10.025 | 10.076 | HH | 17491   | 401968   | 1.52%  | 0.036% |
| 107    | 10.111 | 10.076 | 10.125 | HH | 21511   | 434636   | 1.65%  | 0.039% |
| 108    | 10.149 | 10.125 | 10.190 | HH | 110266  | 1790358  | 6.78%  | 0.161% |
| 109    | 10.236 | 10.190 | 10.263 | HH | 39864   | 1213038  | 4.59%  | 0.109% |
| 110    | 10.278 | 10.263 | 10.296 | HH | 27560   | 468786   | 1.77%  | 0.042% |
| 111    | 10.328 | 10.296 | 10.402 | HH | 53342   | 1695895  | 6.42%  | 0.152% |
| 112    | 10.420 | 10.402 | 10.443 | HH | 19798   | 399318   | 1.51%  | 0.036% |
| 113    | 10.455 | 10.443 | 10.473 | HH | 15487   | 264214   | 1.00%  | 0.024% |
| 114    | 10.515 | 10.473 | 10.575 | HH | 774009  | 10825326 | 40.98% | 0.972% |
| 115    | 10.597 | 10.575 | 10.668 | HH | 143992  | 3285140  | 12.44% | 0.295% |
| 116    | 10.689 | 10.668 | 10.698 | HH | 22815   | 382932   | 1.45%  | 0.034% |
| 117    | 10.706 | 10.698 | 10.795 | HH | 22941   | 983430   | 3.72%  | 0.088% |
| 118    | 10.851 | 10.795 | 10.897 | HH | 53184   | 1935711  | 7.33%  | 0.174% |
| 119    | 10.907 | 10.897 | 10.925 | HH | 28680   | 444410   | 1.68%  | 0.040% |
| 120    | 10.959 | 10.925 | 10.988 | HH | 560333  | 7137569  | 27.02% | 0.641% |
| 121    | 11.002 | 10.988 | 11.018 | HH | 22800   | 388827   | 1.47%  | 0.035% |
| 122    | 11.045 | 11.018 | 11.093 | HH | 45506   | 1332437  | 5.04%  | 0.120% |
| 123    | 11.114 | 11.093 | 11.134 | HH | 29294   | 606645   | 2.30%  | 0.054% |
| 124    | 11.152 | 11.134 | 11.164 | HH | 25915   | 434711   | 1.65%  | 0.039% |
| 125    | 11.177 | 11.164 | 11.220 | HH | 26367   | 778718   | 2.95%  | 0.070% |
| 126    | 11.245 | 11.220 | 11.274 | HH | 25321   | 699860   | 2.65%  | 0.063% |
| 127    | 11.317 | 11.274 | 11.334 | HH | 126591  | 1966569  | 7.45%  | 0.177% |
| 128    | 11.351 | 11.334 | 11.401 | HH | 136936  | 2629051  | 9.95%  | 0.236% |
| 129    | 11.428 | 11.401 | 11.451 | HH | 158839  | 2561244  | 9.70%  | 0.230% |
| 130    | 11.468 | 11.451 | 11.481 | HH | 81007   | 1193361  | 4.52%  | 0.107% |
| 131    | 11.498 | 11.481 | 11.578 | HH | 99906   | 2674706  | 10.13% | 0.240% |
| 132    | 11.630 | 11.578 | 11.670 | HH | 33779   | 1578336  | 5.98%  | 0.142% |
| 133    | 11.689 | 11.670 | 11.702 | HH | 29850   | 549624   | 2.08%  | 0.049% |
| 134    | 11.738 | 11.702 | 11.770 | HH | 59195   | 1892008  | 7.16%  | 0.170% |
| 135    | 11.791 | 11.770 | 11.867 | HH | 83958   | 2771041  | 10.49% | 0.249% |
| 136    | 11.928 | 11.867 | 11.984 | HH | 188153  | 4859029  | 18.40% | 0.436% |
| 137    | 12.060 | 11.984 | 12.081 | HH | 46283   | 2121837  | 8.03%  | 0.191% |
| 138    | 12.111 | 12.081 | 12.159 | HH | 58926   | 1988028  | 7.53%  | 0.179% |
| 139    | 12.216 | 12.159 | 12.238 | HH | 141231  | 3262777  | 12.35% | 0.293% |
| 140    | 12.271 | 12.238 | 12.310 | HH | 564813  | 8820453  | 33.39% | 0.792% |
| 141    | 12.347 | 12.310 | 12.416 | HH | 1244864 | 18801311 | 71.18% | 1.689% |

| rteres |        |        |        |    |         |          |        |        |
|--------|--------|--------|--------|----|---------|----------|--------|--------|
| 142    | 12.442 | 12.416 | 12.467 | HH | 54642   | 1413275  | 5.35%  | 0.127% |
| 143    | 12.492 | 12.467 | 12.511 | HH | 70339   | 1498142  | 5.67%  | 0.135% |
| 144    | 12.528 | 12.511 | 12.544 | HH | 76637   | 1284758  | 4.86%  | 0.115% |
| 145    | 12.556 | 12.544 | 12.582 | HH | 64082   | 1273045  | 4.82%  | 0.114% |
|        |        |        |        |    |         |          |        |        |
| 146    | 12.643 | 12.582 | 12.675 | HH | 1063895 | 16539874 | 62.62% | 1.486% |
| 147    | 12.693 | 12.675 | 12.711 | HH | 143364  | 2203609  | 8.34%  | 0.198% |
| 148    | 12.727 | 12.711 | 12.785 | HH | 138769  | 3460694  | 13.10% | 0.311% |
| 149    | 12.821 | 12.785 | 12.855 | HH | 76159   | 2415610  | 9.15%  | 0.217% |
| 150    | 12.941 | 12.855 | 13.006 | HH | 857435  | 20527632 | 77.72% | 1.844% |
|        |        |        |        |    |         |          |        |        |
| 151    | 13.023 | 13.006 | 13.031 | HH | 98013   | 1426285  | 5.40%  | 0.128% |
| 152    | 13.045 | 13.031 | 13.074 | HH | 103574  | 2317040  | 8.77%  | 0.208% |
| 153    | 13.100 | 13.074 | 13.124 | HH | 139023  | 3153590  | 11.94% | 0.283% |
| 154    | 13.140 | 13.124 | 13.174 | HH | 101273  | 2314010  | 8.76%  | 0.208% |
| 155    | 13.233 | 13.174 | 13.275 | HH | 230038  | 6822195  | 25.83% | 0.613% |
|        |        |        |        |    |         |          |        |        |
| 156    | 13.293 | 13.275 | 13.313 | HH | 78744   | 1613702  | 6.11%  | 0.145% |
| 157    | 13.338 | 13.313 | 13.360 | HH | 147147  | 2864279  | 10.84% | 0.257% |
| 158    | 13.380 | 13.360 | 13.429 | HH | 146290  | 4261567  | 16.13% | 0.383% |
| 159    | 13.467 | 13.429 | 13.492 | HH | 569211  | 9313973  | 35.26% | 0.837% |
| 160    | 13.505 | 13.492 | 13.529 | HH | 134970  | 2379820  | 9.01%  | 0.214% |
|        |        |        |        |    |         |          |        |        |
| 161    | 13.549 | 13.529 | 13.591 | HH | 117478  | 3146157  | 11.91% | 0.283% |
| 162    | 13.637 | 13.591 | 13.648 | HH | 63072   | 2066059  | 7.82%  | 0.186% |
| 163    | 13.673 | 13.648 | 13.725 | HH | 74521   | 3116199  | 11.80% | 0.280% |
| 164    | 13.744 | 13.725 | 13.787 | HH | 64060   | 2303455  | 8.72%  | 0.207% |
| 165    | 13.821 | 13.787 | 13.842 | HH | 66886   | 1986770  | 7.52%  | 0.178% |
|        |        |        |        |    |         |          |        |        |
| 166    | 13.859 | 13.842 | 13.879 | HH | 66230   | 1406728  | 5.33%  | 0.126% |
| 167    | 13.900 | 13.879 | 13.911 | HH | 78842   | 1413107  | 5.35%  | 0.127% |
| 168    | 13.943 | 13.911 | 13.985 | HH | 88677   | 3572007  | 13.52% | 0.321% |
| 169    | 14.008 | 13.985 | 14.058 | HH | 134752  | 4151732  | 15.72% | 0.373% |
| 170    | 14.073 | 14.058 | 14.095 | HH | 86291   | 1804506  | 6.83%  | 0.162% |
|        |        |        |        |    |         |          |        |        |
| 171    | 14.107 | 14.095 | 14.125 | HH | 73719   | 1270078  | 4.81%  | 0.114% |
| 172    | 14.152 | 14.125 | 14.171 | HH | 147115  | 3090632  | 11.70% | 0.278% |
| 173    | 14.210 | 14.171 | 14.254 | HH | 173757  | 6509989  | 24.65% | 0.585% |
| 174    | 14.276 | 14.254 | 14.302 | HH | 127734  | 2823702  | 10.69% | 0.254% |
| 175    | 14.324 | 14.302 | 14.340 | HH | 151429  | 2750247  | 10.41% | 0.247% |
|        |        |        |        |    |         |          |        |        |
| 176    | 14.369 | 14.340 | 14.396 | HH | 481788  | 8360425  | 31.65% | 0.751% |
| 177    | 14.407 | 14.396 | 14.441 | HH | 105692  | 2387081  | 9.04%  | 0.214% |
| 178    | 14.453 | 14.441 | 14.472 | HH | 70589   | 1278261  | 4.84%  | 0.115% |
| 179    | 14.539 | 14.472 | 14.557 | HH | 1025235 | 20307238 | 76.88% | 1.824% |
| 180    | 14.574 | 14.557 | 14.642 | HH | 1104549 | 19292544 | 73.04% | 1.733% |
|        |        |        |        |    |         |          |        |        |
| 181    | 14.691 | 14.642 | 14.721 | HH | 169689  | 5316475  | 20.13% | 0.478% |
| 182    | 14.743 | 14.721 | 14.803 | HH | 103457  | 4629375  | 17.53% | 0.416% |
| 183    | 14.825 | 14.803 | 14.859 | HH | 116211  | 3331700  | 12.61% | 0.299% |
| 184    | 14.882 | 14.859 | 14.921 | HH | 149911  | 4311226  | 16.32% | 0.387% |
| 185    | 14.950 | 14.921 | 15.011 | HH | 289297  | 7587915  | 28.73% | 0.682% |
|        |        |        |        |    |         |          |        |        |
| 186    | 15.039 | 15.011 | 15.054 | HH | 99749   | 2419645  | 9.16%  | 0.217% |
| 187    | 15.107 | 15.054 | 15.131 | HH | 120626  | 5008433  | 18.96% | 0.450% |
| 188    | 15.160 | 15.131 | 15.180 | HH | 107499  | 2812532  | 10.65% | 0.253% |
| 189    | 15.206 | 15.180 | 15.230 | HH | 230031  | 4499851  | 17.04% | 0.404% |
| 190    | 15.249 | 15.230 | 15.282 | HH | 152066  | 3865989  | 14.64% | 0.347% |
|        |        |        |        |    |         |          |        |        |
| 191    | 15.303 | 15.282 | 15.323 | HH | 117085  | 2612197  | 9.89%  | 0.235% |
| 192    | 15.350 | 15.323 | 15.414 | HH | 156787  | 7062573  | 26.74% | 0.634% |
| 193    | 15.438 | 15.414 | 15.505 | HH | 121974  | 5722605  | 21.67% | 0.514% |
| 194    | 15.529 | 15.505 | 15.558 | HH | 108453  | 3161341  | 11.97% | 0.284% |

| rteres |        |        |        |    |        |          |         |        |
|--------|--------|--------|--------|----|--------|----------|---------|--------|
| 195    | 15.594 | 15.558 | 15.623 | HH | 575978 | 10052626 | 38.06%  | 0.903% |
| 196    | 15.656 | 15.623 | 15.710 | HH | 120460 | 5466478  | 20.70%  | 0.491% |
| 197    | 15.729 | 15.710 | 15.746 | HH | 102933 | 2199398  | 8.33%   | 0.198% |
| 198    | 15.768 | 15.746 | 15.787 | HH | 104946 | 2472321  | 9.36%   | 0.222% |
| 199    | 15.806 | 15.787 | 15.827 | HH | 107351 | 2491493  | 9.43%   | 0.224% |
| 200    | 15.850 | 15.827 | 15.868 | HH | 117441 | 2661293  | 10.08%  | 0.239% |
| 201    | 15.906 | 15.868 | 15.940 | HH | 149114 | 5417739  | 20.51%  | 0.487% |
| 202    | 15.965 | 15.940 | 15.995 | HH | 134128 | 4017957  | 15.21%  | 0.361% |
| 203    | 16.012 | 15.995 | 16.021 | HH | 123310 | 1877511  | 7.11%   | 0.169% |
| 204    | 16.038 | 16.021 | 16.049 | HH | 129682 | 2085438  | 7.90%   | 0.187% |
| 205    | 16.113 | 16.049 | 16.203 | HH | 725172 | 24705276 | 93.53%  | 2.219% |
| 206    | 16.244 | 16.203 | 16.310 | HH | 213721 | 9288346  | 35.16%  | 0.834% |
| 207    | 16.358 | 16.310 | 16.379 | HH | 185966 | 6012642  | 22.76%  | 0.540% |
| 208    | 16.393 | 16.379 | 16.403 | HH | 158036 | 2250343  | 8.52%   | 0.202% |
| 209    | 16.432 | 16.403 | 16.467 | HH | 455389 | 9953987  | 37.69%  | 0.894% |
| 210    | 16.496 | 16.467 | 16.519 | HH | 581446 | 10947105 | 41.44%  | 0.983% |
| 211    | 16.546 | 16.519 | 16.577 | HH | 676169 | 12877353 | 48.75%  | 1.157% |
| 212    | 16.600 | 16.577 | 16.680 | HH | 234679 | 10230714 | 38.73%  | 0.919% |
| 213    | 16.739 | 16.680 | 16.787 | HH | 174692 | 10361559 | 39.23%  | 0.931% |
| 214    | 16.808 | 16.787 | 16.820 | HH | 152252 | 2960874  | 11.21%  | 0.266% |
| 215    | 16.887 | 16.820 | 16.939 | HH | 196456 | 12226796 | 46.29%  | 1.098% |
| 216    | 16.993 | 16.939 | 17.055 | HH | 316550 | 13279730 | 50.28%  | 1.193% |
| 217    | 17.090 | 17.055 | 17.113 | HH | 171863 | 5520894  | 20.90%  | 0.496% |
| 218    | 17.126 | 17.113 | 17.135 | HH | 157353 | 1975289  | 7.48%   | 0.177% |
| 219    | 17.163 | 17.135 | 17.235 | HH | 184932 | 9766086  | 36.97%  | 0.877% |
| 220    | 17.295 | 17.235 | 17.328 | HH | 166684 | 8774077  | 33.22%  | 0.788% |
| 221    | 17.351 | 17.328 | 17.377 | HH | 161608 | 4592068  | 17.39%  | 0.413% |
| 222    | 17.437 | 17.377 | 17.466 | HH | 713549 | 16704335 | 63.24%  | 1.501% |
| 223    | 17.478 | 17.466 | 17.502 | HH | 176141 | 3607190  | 13.66%  | 0.324% |
| 224    | 17.542 | 17.502 | 17.552 | HH | 180279 | 5091626  | 19.28%  | 0.457% |
| 225    | 17.570 | 17.552 | 17.617 | HH | 186481 | 6806730  | 25.77%  | 0.611% |
| 226    | 17.643 | 17.617 | 17.677 | HH | 181192 | 6282736  | 23.79%  | 0.564% |
| 227    | 17.705 | 17.677 | 17.758 | HH | 202656 | 8981450  | 34.00%  | 0.807% |
| 228    | 17.790 | 17.758 | 17.823 | HH | 311784 | 8940711  | 33.85%  | 0.803% |
| 229    | 17.855 | 17.823 | 17.871 | HH | 316969 | 7030566  | 26.62%  | 0.632% |
| 230    | 17.893 | 17.871 | 17.952 | HH | 472067 | 14389044 | 54.48%  | 1.293% |
| 231    | 17.969 | 17.952 | 17.998 | HH | 190333 | 4919798  | 18.63%  | 0.442% |
| 232    | 18.020 | 17.998 | 18.038 | HH | 235992 | 4956957  | 18.77%  | 0.445% |
| 233    | 18.055 | 18.038 | 18.083 | HH | 226945 | 5460524  | 20.67%  | 0.491% |
| 234    | 18.147 | 18.083 | 18.190 | HH | 415813 | 15190171 | 57.51%  | 1.365% |
| 235    | 18.269 | 18.190 | 18.355 | HH | 677128 | 26413650 | 100.00% | 2.373% |
| 236    | 18.374 | 18.355 | 18.395 | HH | 178176 | 4144177  | 15.69%  | 0.372% |
| 237    | 18.412 | 18.395 | 18.446 | HH | 177759 | 5302060  | 20.07%  | 0.476% |
| 238    | 18.473 | 18.446 | 18.492 | HH | 178220 | 4844803  | 18.34%  | 0.435% |
| 239    | 18.516 | 18.492 | 18.550 | HH | 180590 | 6054870  | 22.92%  | 0.544% |
| 240    | 18.612 | 18.550 | 18.637 | HH | 233133 | 10412518 | 39.42%  | 0.935% |
| 241    | 18.662 | 18.637 | 18.705 | HH | 251470 | 8529811  | 32.29%  | 0.766% |
| 242    | 18.743 | 18.705 | 18.794 | HH | 223551 | 10417133 | 39.44%  | 0.936% |
| 243    | 18.809 | 18.794 | 18.829 | HH | 191281 | 3913965  | 14.82%  | 0.352% |
| 244    | 18.862 | 18.829 | 18.928 | HH | 185704 | 10730578 | 40.63%  | 0.964% |
| 245    | 18.938 | 18.928 | 18.981 | HH | 175789 | 5574933  | 21.11%  | 0.501% |
| 246    | 19.052 | 18.981 | 19.086 | HH | 595259 | 17586871 | 66.58%  | 1.580% |

|     |        |        |        |     |                                    |          |        |        |
|-----|--------|--------|--------|-----|------------------------------------|----------|--------|--------|
|     |        |        |        |     | rters                              |          |        |        |
| 247 | 19.107 | 19.086 | 19.119 | HH  | 190694                             | 3711097  | 14.05% | 0.333% |
| 248 | 19.168 | 19.119 | 19.197 | HH  | 193851                             | 8919798  | 33.77% | 0.801% |
| 249 | 19.234 | 19.197 | 19.258 | HH  | 200288                             | 6977478  | 26.42% | 0.627% |
| 250 | 19.323 | 19.258 | 19.359 | HH  | 285811                             | 13773424 | 52.15% | 1.237% |
| 251 | 19.392 | 19.359 | 19.438 | HH  | 304569                             | 11836265 | 44.81% | 1.063% |
| 252 | 19.448 | 19.438 | 19.481 | HH  | 229557                             | 5756022  | 21.79% | 0.517% |
| 253 | 19.505 | 19.481 | 19.587 | HH  | 222597                             | 13310149 | 50.39% | 1.196% |
| 254 | 19.623 | 19.587 | 19.677 | HH  | 230497                             | 11360426 | 43.01% | 1.020% |
| 255 | 19.716 | 19.677 | 19.753 | HH  | 317001                             | 11601077 | 43.92% | 1.042% |
| 256 | 19.791 | 19.753 | 19.823 | HH  | 631331                             | 15787491 | 59.77% | 1.418% |
| 257 | 19.853 | 19.823 | 19.879 | HH  | 228087                             | 7447707  | 28.20% | 0.669% |
| 258 | 19.928 | 19.879 | 19.940 | HH  | 218792                             | 7933373  | 30.04% | 0.713% |
| 259 | 19.952 | 19.940 | 19.991 | HH  | 218257                             | 6511306  | 24.65% | 0.585% |
| 260 | 20.006 | 19.991 | 20.040 | HH  | 214470                             | 6232234  | 23.59% | 0.560% |
| 261 | 20.051 | 20.040 | 20.083 | HH  | 215977                             | 5492038  | 20.79% | 0.493% |
| 262 | 20.093 | 20.083 | 20.113 | HH  | 210656                             | 3830675  | 14.50% | 0.344% |
| 263 | 20.143 | 20.113 | 20.175 | HH  | 223341                             | 8072627  | 30.56% | 0.725% |
| 264 | 20.239 | 20.175 | 20.249 | HH  | 222153                             | 9524769  | 36.06% | 0.856% |
| 265 | 20.279 | 20.249 | 20.305 | HH  | 246024                             | 7772141  | 29.42% | 0.698% |
| 266 | 20.320 | 20.305 | 20.357 | HH  | 221805                             | 6940517  | 26.28% | 0.623% |
| 267 | 20.398 | 20.357 | 20.442 | HH  | 224955                             | 11261009 | 42.63% | 1.012% |
| 268 | 20.496 | 20.442 | 20.554 | HH  | 592803                             | 20844514 | 78.92% | 1.872% |
| 269 | 20.568 | 20.554 | 20.581 | HH  | 213216                             | 3467340  | 13.13% | 0.311% |
| 270 | 20.608 | 20.581 | 20.649 | HH  | 214222                             | 8647887  | 32.74% | 0.777% |
| 271 | 20.671 | 20.649 | 20.692 | HH  | 212009                             | 5396593  | 20.43% | 0.485% |
| 272 | 20.756 | 20.692 | 20.790 | HH  | 224497                             | 12691737 | 48.05% | 1.140% |
| 273 | 20.812 | 20.790 | 20.838 | HH  | 215461                             | 6174649  | 23.38% | 0.555% |
| 274 | 20.866 | 20.838 | 20.891 | HH  | 212895                             | 6768433  | 25.62% | 0.608% |
| 275 | 20.920 | 20.891 | 20.992 | HH  | 212454                             | 12415951 | 47.01% | 1.115% |
| 276 | 21.011 | 20.992 | 21.024 | HH  | 206411                             | 3989087  | 15.10% | 0.358% |
| 277 | 21.037 | 21.024 | 21.068 | HH  | 205228                             | 5345865  | 20.24% | 0.480% |
| 278 | 21.157 | 21.068 | 21.231 | HH  | 219054                             | 20431170 | 77.35% | 1.835% |
| 279 | 21.302 | 21.231 | 21.361 | HHA | 493825                             | 21780988 | 82.46% | 1.957% |
|     |        |        |        |     | Sum of corrected areas: 1113223373 |          |        |        |

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