

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF102523\  
 Data File : FF013612.D  
 Signal(s) : FID2B.ch  
 Acq On : 25 Oct 2023 15:02  
 Sample : 05039-01  
 Misc :  
 ALS Vial : 63 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\FF101623.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         | 4.414       | 4.400        | 4.440      | BH       | 374            | 323          | 0.00%          | 0.000%        |
| 2         | 4.459       | 4.440        | 4.483      | PH       | 1465           | 12595        | 0.15%          | 0.004%        |
| 3         | 4.520       | 4.483        | 4.540      | PH       | 14663          | 153608       | 1.88%          | 0.044%        |
| 4         | 4.556       | 4.540        | 4.575      | HH       | 6885           | 64104        | 0.78%          | 0.018%        |
| 5         | 4.593       | 4.575        | 4.615      | HH       | 1798           | 17538        | 0.21%          | 0.005%        |
| 6         | 4.628       | 4.615        | 4.642      | PH       | 460            | 2240         | 0.03%          | 0.001%        |
| 7         | 4.645       | 4.642        | 4.655      | PH       | 22             | -476         | -0.01%         | -0.000%       |
| 8         | 4.684       | 4.655        | 4.718      | PH       | 5593           | 90431        | 1.11%          | 0.026%        |
| 9         | 4.745       | 4.718        | 4.786      | HH       | 12351          | 171869       | 2.10%          | 0.049%        |
| 10        | 4.804       | 4.786        | 4.818      | HH       | 4833           | 53240        | 0.65%          | 0.015%        |
| 11        | 4.826       | 4.818        | 4.843      | HH       | 2330           | 22762        | 0.28%          | 0.007%        |
| 12        | 4.862       | 4.843        | 4.871      | HH       | 2470           | 28332        | 0.35%          | 0.008%        |
| 13        | 4.883       | 4.871        | 4.896      | HH       | 3485           | 40570        | 0.50%          | 0.012%        |
| 14        | 4.905       | 4.896        | 4.915      | HH       | 2254           | 22096        | 0.27%          | 0.006%        |
| 15        | 4.935       | 4.915        | 4.951      | HH       | 6721           | 86921        | 1.06%          | 0.025%        |
| 16        | 4.980       | 4.951        | 5.000      | HH       | 5929           | 104689       | 1.28%          | 0.030%        |
| 17        | 5.020       | 5.000        | 5.071      | HH       | 7584           | 127367       | 1.56%          | 0.036%        |
| 18        | 5.098       | 5.071        | 5.115      | HH       | 3283           | 38824        | 0.47%          | 0.011%        |
| 19        | 5.133       | 5.115        | 5.162      | HH       | 2172           | 31074        | 0.38%          | 0.009%        |
| 20        | 5.196       | 5.162        | 5.207      | HH       | 4381           | 52775        | 0.64%          | 0.015%        |
| 21        | 5.226       | 5.207        | 5.251      | HH       | 8052           | 129911       | 1.59%          | 0.037%        |
| 22        | 5.271       | 5.251        | 5.287      | HH       | 9832           | 103481       | 1.26%          | 0.030%        |
| 23        | 5.301       | 5.287        | 5.318      | HH       | 6681           | 74425        | 0.91%          | 0.021%        |
| 24        | 5.337       | 5.318        | 5.376      | HH       | 6859           | 92285        | 1.13%          | 0.026%        |
| 25        | 5.397       | 5.376        | 5.414      | PH       | 2144           | 26441        | 0.32%          | 0.008%        |
| 26        | 5.435       | 5.414        | 5.444      | HH       | 2553           | 32017        | 0.39%          | 0.009%        |
| 27        | 5.458       | 5.444        | 5.480      | HH       | 4443           | 60040        | 0.73%          | 0.017%        |
| 28        | 5.504       | 5.480        | 5.519      | HH       | 4672           | 75654        | 0.92%          | 0.022%        |
| 29        | 5.531       | 5.519        | 5.547      | HH       | 4351           | 50012        | 0.61%          | 0.014%        |
| 30        | 5.558       | 5.547        | 5.566      | HH       | 2092           | 20543        | 0.25%          | 0.006%        |
| 31        | 5.586       | 5.566        | 5.611      | HH       | 7652           | 110310       | 1.35%          | 0.032%        |
| 32        | 5.623       | 5.611        | 5.631      | HH       | 1378           | 13817        | 0.17%          | 0.004%        |
| 33        | 5.655       | 5.631        | 5.696      | HH       | 33786          | 490978       | 6.00%          | 0.140%        |
| 34        | 5.700       | 5.696        | 5.735      | HH       | 3603           | 48957        | 0.60%          | 0.014%        |
| 35        | 5.751       | 5.735        | 5.773      | HH       | 4211           | 58895        | 0.72%          | 0.017%        |
| 36        | 5.783       | 5.773        | 5.796      | HH       | 1724           | 19886        | 0.24%          | 0.006%        |

| rteres |       |       |       |    |       |        |        |        |
|--------|-------|-------|-------|----|-------|--------|--------|--------|
| 37     | 5.808 | 5.796 | 5.816 | HH | 1533  | 16012  | 0.20%  | 0.005% |
| 38     | 5.840 | 5.816 | 5.869 | HH | 10802 | 180875 | 2.21%  | 0.052% |
| 39     | 5.877 | 5.869 | 5.895 | HH | 3416  | 42707  | 0.52%  | 0.012% |
| 40     | 5.919 | 5.895 | 5.928 | HH | 7727  | 92863  | 1.13%  | 0.027% |
|        |       |       |       |    |       |        |        |        |
| 41     | 5.943 | 5.928 | 5.953 | HH | 14478 | 163248 | 2.00%  | 0.047% |
| 42     | 5.962 | 5.953 | 5.988 | HH | 13495 | 198749 | 2.43%  | 0.057% |
| 43     | 5.997 | 5.988 | 6.009 | HH | 5380  | 58270  | 0.71%  | 0.017% |
| 44     | 6.038 | 6.009 | 6.056 | HH | 15061 | 219633 | 2.68%  | 0.063% |
| 45     | 6.062 | 6.056 | 6.070 | HH | 3879  | 29603  | 0.36%  | 0.008% |
|        |       |       |       |    |       |        |        |        |
| 46     | 6.086 | 6.070 | 6.105 | HH | 5806  | 91377  | 1.12%  | 0.026% |
| 47     | 6.131 | 6.105 | 6.150 | HH | 6090  | 101426 | 1.24%  | 0.029% |
| 48     | 6.184 | 6.150 | 6.197 | HH | 7054  | 135706 | 1.66%  | 0.039% |
| 49     | 6.217 | 6.197 | 6.242 | HH | 79642 | 844082 | 10.32% | 0.241% |
| 50     | 6.247 | 6.242 | 6.254 | HH | 8448  | 59690  | 0.73%  | 0.017% |
|        |       |       |       |    |       |        |        |        |
| 51     | 6.263 | 6.254 | 6.276 | HH | 9090  | 108308 | 1.32%  | 0.031% |
| 52     | 6.283 | 6.276 | 6.301 | HH | 7654  | 85975  | 1.05%  | 0.025% |
| 53     | 6.328 | 6.301 | 6.345 | HH | 10588 | 162070 | 1.98%  | 0.046% |
| 54     | 6.366 | 6.345 | 6.380 | HH | 9397  | 153113 | 1.87%  | 0.044% |
| 55     | 6.394 | 6.380 | 6.433 | HH | 10195 | 211912 | 2.59%  | 0.061% |
|        |       |       |       |    |       |        |        |        |
| 56     | 6.450 | 6.433 | 6.465 | HH | 7804  | 100176 | 1.22%  | 0.029% |
| 57     | 6.476 | 6.465 | 6.483 | HH | 5006  | 49659  | 0.61%  | 0.014% |
| 58     | 6.506 | 6.483 | 6.536 | HH | 7799  | 177139 | 2.16%  | 0.051% |
| 59     | 6.556 | 6.536 | 6.565 | HH | 4939  | 73370  | 0.90%  | 0.021% |
| 60     | 6.570 | 6.565 | 6.581 | HH | 4724  | 43792  | 0.54%  | 0.013% |
|        |       |       |       |    |       |        |        |        |
| 61     | 6.604 | 6.581 | 6.618 | HH | 12934 | 188558 | 2.30%  | 0.054% |
| 62     | 6.625 | 6.618 | 6.643 | HH | 7525  | 92533  | 1.13%  | 0.026% |
| 63     | 6.648 | 6.643 | 6.661 | HH | 4579  | 45942  | 0.56%  | 0.013% |
| 64     | 6.683 | 6.661 | 6.732 | HH | 46392 | 607923 | 7.43%  | 0.174% |
| 65     | 6.768 | 6.732 | 6.778 | HH | 4687  | 103393 | 1.26%  | 0.030% |
|        |       |       |       |    |       |        |        |        |
| 66     | 6.800 | 6.778 | 6.817 | HH | 7686  | 141521 | 1.73%  | 0.040% |
| 67     | 6.836 | 6.817 | 6.860 | HH | 16553 | 236093 | 2.89%  | 0.067% |
| 68     | 6.878 | 6.860 | 6.897 | HH | 8765  | 141964 | 1.73%  | 0.041% |
| 69     | 6.909 | 6.897 | 6.920 | HH | 5825  | 70327  | 0.86%  | 0.020% |
| 70     | 6.933 | 6.920 | 6.944 | HH | 5199  | 69084  | 0.84%  | 0.020% |
|        |       |       |       |    |       |        |        |        |
| 71     | 6.962 | 6.944 | 6.982 | HH | 14230 | 191184 | 2.34%  | 0.055% |
| 72     | 7.008 | 6.982 | 7.016 | HH | 9213  | 144692 | 1.77%  | 0.041% |
| 73     | 7.025 | 7.016 | 7.039 | HH | 10024 | 115634 | 1.41%  | 0.033% |
| 74     | 7.047 | 7.039 | 7.060 | HH | 7353  | 81038  | 0.99%  | 0.023% |
| 75     | 7.084 | 7.060 | 7.113 | HH | 31928 | 448942 | 5.49%  | 0.128% |
|        |       |       |       |    |       |        |        |        |
| 76     | 7.118 | 7.113 | 7.140 | HH | 6362  | 90558  | 1.11%  | 0.026% |
| 77     | 7.160 | 7.140 | 7.177 | HH | 9240  | 163588 | 2.00%  | 0.047% |
| 78     | 7.212 | 7.177 | 7.231 | HH | 16111 | 350648 | 4.29%  | 0.100% |
| 79     | 7.252 | 7.231 | 7.281 | HH | 19960 | 367126 | 4.49%  | 0.105% |
| 80     | 7.309 | 7.281 | 7.342 | HH | 59002 | 909177 | 11.11% | 0.260% |
|        |       |       |       |    |       |        |        |        |
| 81     | 7.360 | 7.342 | 7.379 | HH | 15423 | 238869 | 2.92%  | 0.068% |
| 82     | 7.402 | 7.379 | 7.427 | HH | 21735 | 363399 | 4.44%  | 0.104% |
| 83     | 7.447 | 7.427 | 7.481 | HH | 38242 | 543529 | 6.64%  | 0.155% |
| 84     | 7.501 | 7.481 | 7.516 | HH | 8559  | 142343 | 1.74%  | 0.041% |
| 85     | 7.528 | 7.516 | 7.538 | HH | 7411  | 90509  | 1.11%  | 0.026% |
|        |       |       |       |    |       |        |        |        |
| 86     | 7.548 | 7.538 | 7.562 | HH | 7271  | 98327  | 1.20%  | 0.028% |
| 87     | 7.601 | 7.562 | 7.611 | HH | 24274 | 369121 | 4.51%  | 0.106% |
| 88     | 7.628 | 7.611 | 7.649 | HH | 63261 | 739405 | 9.04%  | 0.211% |
| 89     | 7.661 | 7.649 | 7.672 | HH | 10966 | 132749 | 1.62%  | 0.038% |

|     |       |       |       |    | rteres |         |        |        |
|-----|-------|-------|-------|----|--------|---------|--------|--------|
| 90  | 7.681 | 7.672 | 7.687 | HH | 9895   | 84798   | 1.04%  | 0.024% |
| 91  | 7.693 | 7.687 | 7.706 | HH | 10048  | 110646  | 1.35%  | 0.032% |
| 92  | 7.710 | 7.706 | 7.734 | HH | 8802   | 126025  | 1.54%  | 0.036% |
| 93  | 7.749 | 7.734 | 7.775 | HH | 7825   | 177393  | 2.17%  | 0.051% |
| 94  | 7.799 | 7.775 | 7.835 | HH | 20182  | 450561  | 5.51%  | 0.129% |
| 95  | 7.852 | 7.835 | 7.875 | HH | 10854  | 196982  | 2.41%  | 0.056% |
| 96  | 7.893 | 7.875 | 7.908 | HH | 9374   | 145097  | 1.77%  | 0.041% |
| 97  | 7.916 | 7.908 | 7.924 | HH | 7721   | 71986   | 0.88%  | 0.021% |
| 98  | 7.940 | 7.924 | 7.951 | HH | 12492  | 164729  | 2.01%  | 0.047% |
| 99  | 7.964 | 7.951 | 7.982 | HH | 12009  | 183623  | 2.24%  | 0.052% |
| 100 | 8.001 | 7.982 | 8.031 | HH | 11533  | 287468  | 3.51%  | 0.082% |
| 101 | 8.052 | 8.031 | 8.074 | HH | 20055  | 370617  | 4.53%  | 0.106% |
| 102 | 8.091 | 8.074 | 8.104 | HH | 15591  | 236495  | 2.89%  | 0.068% |
| 103 | 8.111 | 8.104 | 8.130 | HH | 13139  | 179404  | 2.19%  | 0.051% |
| 104 | 8.153 | 8.130 | 8.173 | HH | 16270  | 307072  | 3.75%  | 0.088% |
| 105 | 8.203 | 8.173 | 8.219 | HH | 24907  | 439333  | 5.37%  | 0.126% |
| 106 | 8.233 | 8.219 | 8.244 | HH | 22223  | 278310  | 3.40%  | 0.080% |
| 107 | 8.257 | 8.244 | 8.283 | HH | 26089  | 399672  | 4.88%  | 0.114% |
| 108 | 8.303 | 8.283 | 8.309 | HH | 21611  | 255681  | 3.12%  | 0.073% |
| 109 | 8.325 | 8.309 | 8.361 | HH | 33605  | 628138  | 7.68%  | 0.180% |
| 110 | 8.380 | 8.361 | 8.395 | HH | 11373  | 213554  | 2.61%  | 0.061% |
| 111 | 8.423 | 8.395 | 8.439 | HH | 39298  | 623242  | 7.62%  | 0.178% |
| 112 | 8.452 | 8.439 | 8.462 | HH | 29544  | 334609  | 4.09%  | 0.096% |
| 113 | 8.477 | 8.462 | 8.491 | HH | 39711  | 547930  | 6.70%  | 0.157% |
| 114 | 8.508 | 8.491 | 8.531 | HH | 79682  | 1063178 | 12.99% | 0.304% |
| 115 | 8.551 | 8.531 | 8.563 | HH | 15302  | 279720  | 3.42%  | 0.080% |
| 116 | 8.608 | 8.563 | 8.644 | HH | 126376 | 2051082 | 25.07% | 0.586% |
| 117 | 8.664 | 8.644 | 8.680 | HH | 23241  | 404429  | 4.94%  | 0.116% |
| 118 | 8.696 | 8.680 | 8.710 | HH | 20148  | 326201  | 3.99%  | 0.093% |
| 119 | 8.724 | 8.710 | 8.771 | HH | 20619  | 535297  | 6.54%  | 0.153% |
| 120 | 8.799 | 8.771 | 8.821 | HH | 13838  | 348054  | 4.25%  | 0.099% |
| 121 | 8.836 | 8.821 | 8.848 | HH | 12061  | 183226  | 2.24%  | 0.052% |
| 122 | 8.867 | 8.848 | 8.888 | HH | 17636  | 378580  | 4.63%  | 0.108% |
| 123 | 8.906 | 8.888 | 8.921 | HH | 27086  | 427739  | 5.23%  | 0.122% |
| 124 | 8.929 | 8.921 | 8.940 | HH | 20665  | 228864  | 2.80%  | 0.065% |
| 125 | 8.957 | 8.940 | 8.986 | HH | 29171  | 596540  | 7.29%  | 0.171% |
| 126 | 9.002 | 8.986 | 9.014 | HH | 20907  | 310381  | 3.79%  | 0.089% |
| 127 | 9.047 | 9.014 | 9.082 | HH | 42747  | 942231  | 11.51% | 0.269% |
| 128 | 9.101 | 9.082 | 9.118 | HH | 25204  | 405906  | 4.96%  | 0.116% |
| 129 | 9.149 | 9.118 | 9.164 | HH | 23131  | 515182  | 6.30%  | 0.147% |
| 130 | 9.181 | 9.164 | 9.209 | HH | 25734  | 535887  | 6.55%  | 0.153% |
| 131 | 9.223 | 9.209 | 9.238 | HH | 17496  | 275645  | 3.37%  | 0.079% |
| 132 | 9.273 | 9.238 | 9.292 | HH | 20681  | 567902  | 6.94%  | 0.162% |
| 133 | 9.334 | 9.292 | 9.352 | HH | 101120 | 1592994 | 19.47% | 0.455% |
| 134 | 9.359 | 9.352 | 9.396 | HH | 30126  | 551812  | 6.74%  | 0.158% |
| 135 | 9.419 | 9.396 | 9.444 | HH | 26276  | 549399  | 6.71%  | 0.157% |
| 136 | 9.475 | 9.444 | 9.493 | HH | 29342  | 609008  | 7.44%  | 0.174% |
| 137 | 9.507 | 9.493 | 9.523 | HH | 23437  | 341855  | 4.18%  | 0.098% |
| 138 | 9.534 | 9.523 | 9.543 | HH | 18044  | 207962  | 2.54%  | 0.059% |
| 139 | 9.558 | 9.543 | 9.580 | HH | 33565  | 545279  | 6.66%  | 0.156% |
| 140 | 9.590 | 9.580 | 9.597 | HH | 18291  | 176916  | 2.16%  | 0.051% |
| 141 | 9.613 | 9.597 | 9.631 | HH | 27883  | 451007  | 5.51%  | 0.129% |

| rteres |        |        |        |    |        |         |        |        |
|--------|--------|--------|--------|----|--------|---------|--------|--------|
| 142    | 9.652  | 9.631  | 9.674  | HH | 26947  | 549530  | 6.72%  | 0.157% |
| 143    | 9.709  | 9.674  | 9.740  | HH | 45255  | 1250790 | 15.29% | 0.358% |
| 144    | 9.754  | 9.740  | 9.760  | HH | 22776  | 246448  | 3.01%  | 0.070% |
| 145    | 9.774  | 9.760  | 9.785  | HH | 29943  | 403619  | 4.93%  | 0.115% |
|        |        |        |        |    |        |         |        |        |
| 146    | 9.795  | 9.785  | 9.815  | HH | 30502  | 465526  | 5.69%  | 0.133% |
| 147    | 9.839  | 9.815  | 9.861  | HH | 40990  | 762898  | 9.32%  | 0.218% |
| 148    | 9.896  | 9.861  | 9.924  | HH | 30698  | 893580  | 10.92% | 0.255% |
| 149    | 9.955  | 9.924  | 9.981  | HH | 25751  | 674660  | 8.24%  | 0.193% |
| 150    | 10.019 | 9.981  | 10.047 | HH | 25094  | 805214  | 9.84%  | 0.230% |
|        |        |        |        |    |        |         |        |        |
| 151    | 10.070 | 10.047 | 10.090 | HH | 26294  | 593250  | 7.25%  | 0.170% |
| 152    | 10.114 | 10.090 | 10.161 | HH | 120842 | 1962370 | 23.98% | 0.561% |
| 153    | 10.186 | 10.161 | 10.207 | HH | 22670  | 560754  | 6.85%  | 0.160% |
| 154    | 10.216 | 10.207 | 10.258 | HH | 21272  | 551106  | 6.73%  | 0.158% |
| 155    | 10.283 | 10.258 | 10.310 | HH | 21675  | 572549  | 7.00%  | 0.164% |
|        |        |        |        |    |        |         |        |        |
| 156    | 10.319 | 10.310 | 10.337 | HH | 17175  | 262666  | 3.21%  | 0.075% |
| 157    | 10.358 | 10.337 | 10.368 | HH | 16899  | 304262  | 3.72%  | 0.087% |
| 158    | 10.386 | 10.368 | 10.399 | HH | 19581  | 343905  | 4.20%  | 0.098% |
| 159    | 10.405 | 10.399 | 10.424 | HH | 17652  | 257128  | 3.14%  | 0.073% |
| 160    | 10.459 | 10.424 | 10.475 | HH | 27896  | 717256  | 8.77%  | 0.205% |
|        |        |        |        |    |        |         |        |        |
| 161    | 10.504 | 10.475 | 10.528 | HH | 51572  | 1077523 | 13.17% | 0.308% |
| 162    | 10.552 | 10.528 | 10.564 | HH | 33892  | 595869  | 7.28%  | 0.170% |
| 163    | 10.580 | 10.564 | 10.604 | HH | 35850  | 744929  | 9.10%  | 0.213% |
| 164    | 10.616 | 10.604 | 10.632 | HH | 31782  | 470167  | 5.75%  | 0.134% |
| 165    | 10.646 | 10.632 | 10.672 | HH | 31121  | 619206  | 7.57%  | 0.177% |
|        |        |        |        |    |        |         |        |        |
| 166    | 10.695 | 10.672 | 10.727 | HH | 33952  | 857401  | 10.48% | 0.245% |
| 167    | 10.748 | 10.727 | 10.771 | HH | 41259  | 838812  | 10.25% | 0.240% |
| 168    | 10.782 | 10.771 | 10.809 | HH | 28055  | 591184  | 7.22%  | 0.169% |
| 169    | 10.853 | 10.809 | 10.880 | HH | 117186 | 2184009 | 26.69% | 0.624% |
| 170    | 10.925 | 10.880 | 10.953 | HH | 69773  | 1999837 | 24.44% | 0.572% |
|        |        |        |        |    |        |         |        |        |
| 171    | 10.970 | 10.953 | 11.009 | HH | 31594  | 908624  | 11.10% | 0.260% |
| 172    | 11.018 | 11.009 | 11.047 | HH | 23890  | 529581  | 6.47%  | 0.151% |
| 173    | 11.066 | 11.047 | 11.074 | HH | 28045  | 403837  | 4.94%  | 0.115% |
| 174    | 11.098 | 11.074 | 11.146 | HH | 215652 | 3169243 | 38.73% | 0.906% |
| 175    | 11.173 | 11.146 | 11.213 | HH | 117095 | 2301541 | 28.13% | 0.658% |
|        |        |        |        |    |        |         |        |        |
| 176    | 11.229 | 11.213 | 11.237 | HH | 32422  | 428821  | 5.24%  | 0.123% |
| 177    | 11.243 | 11.237 | 11.258 | HH | 32876  | 402068  | 4.91%  | 0.115% |
| 178    | 11.269 | 11.258 | 11.289 | HH | 31585  | 523302  | 6.40%  | 0.150% |
| 179    | 11.308 | 11.289 | 11.337 | HH | 32292  | 750792  | 9.18%  | 0.215% |
| 180    | 11.359 | 11.337 | 11.372 | HH | 32139  | 569054  | 6.95%  | 0.163% |
|        |        |        |        |    |        |         |        |        |
| 181    | 11.388 | 11.372 | 11.399 | HH | 31958  | 467962  | 5.72%  | 0.134% |
| 182    | 11.406 | 11.399 | 11.429 | HH | 30259  | 482788  | 5.90%  | 0.138% |
| 183    | 11.458 | 11.429 | 11.472 | HH | 27017  | 646939  | 7.91%  | 0.185% |
| 184    | 11.494 | 11.472 | 11.514 | HH | 30671  | 715407  | 8.74%  | 0.204% |
| 185    | 11.524 | 11.514 | 11.531 | HH | 28049  | 281646  | 3.44%  | 0.081% |
|        |        |        |        |    |        |         |        |        |
| 186    | 11.556 | 11.531 | 11.580 | HH | 108699 | 1738103 | 21.24% | 0.497% |
| 187    | 11.590 | 11.580 | 11.601 | HH | 34826  | 436910  | 5.34%  | 0.125% |
| 188    | 11.622 | 11.601 | 11.628 | HH | 49351  | 669420  | 8.18%  | 0.191% |
| 189    | 11.643 | 11.628 | 11.677 | HH | 60194  | 1290802 | 15.77% | 0.369% |
| 190    | 11.699 | 11.677 | 11.723 | HH | 31650  | 796347  | 9.73%  | 0.228% |
|        |        |        |        |    |        |         |        |        |
| 191    | 11.751 | 11.723 | 11.776 | HH | 45402  | 1066830 | 13.04% | 0.305% |
| 192    | 11.793 | 11.776 | 11.816 | HH | 32360  | 712219  | 8.70%  | 0.204% |
| 193    | 11.853 | 11.816 | 11.872 | HH | 34365  | 1038222 | 12.69% | 0.297% |
| 194    | 11.901 | 11.872 | 11.916 | HH | 78982  | 1351631 | 16.52% | 0.386% |

| rteres |        |        |        |    |        |         |        |        |
|--------|--------|--------|--------|----|--------|---------|--------|--------|
| 195    | 11.931 | 11.916 | 11.975 | HH | 93101  | 1832877 | 22.40% | 0.524% |
| 196    | 12.015 | 11.975 | 12.031 | HH | 85108  | 1959948 | 23.95% | 0.560% |
| 197    | 12.048 | 12.031 | 12.063 | HH | 80632  | 1153441 | 14.10% | 0.330% |
| 198    | 12.079 | 12.063 | 12.129 | HH | 89114  | 1875119 | 22.92% | 0.536% |
| 199    | 12.158 | 12.129 | 12.179 | HH | 32655  | 885237  | 10.82% | 0.253% |
| 200    | 12.226 | 12.179 | 12.248 | HH | 101035 | 2225831 | 27.20% | 0.636% |
| 201    | 12.277 | 12.248 | 12.349 | HH | 60029  | 2511688 | 30.69% | 0.718% |
| 202    | 12.374 | 12.349 | 12.393 | HH | 59542  | 1172271 | 14.33% | 0.335% |
| 203    | 12.402 | 12.393 | 12.414 | HH | 38929  | 468133  | 5.72%  | 0.134% |
| 204    | 12.434 | 12.414 | 12.450 | HH | 46093  | 879088  | 10.74% | 0.251% |
| 205    | 12.480 | 12.450 | 12.507 | HH | 181075 | 2986602 | 36.50% | 0.854% |
| 206    | 12.521 | 12.507 | 12.535 | HH | 41075  | 693902  | 8.48%  | 0.198% |
| 207    | 12.549 | 12.535 | 12.564 | HH | 40853  | 671879  | 8.21%  | 0.192% |
| 208    | 12.579 | 12.564 | 12.592 | HH | 40994  | 653962  | 7.99%  | 0.187% |
| 209    | 12.603 | 12.592 | 12.613 | HH | 41830  | 515509  | 6.30%  | 0.147% |
| 210    | 12.642 | 12.613 | 12.672 | HH | 47385  | 1519679 | 18.57% | 0.434% |
| 211    | 12.691 | 12.672 | 12.728 | HH | 56449  | 1495458 | 18.28% | 0.427% |
| 212    | 12.750 | 12.728 | 12.779 | HH | 63876  | 1452309 | 17.75% | 0.415% |
| 213    | 12.802 | 12.779 | 12.821 | HH | 102984 | 1799471 | 21.99% | 0.514% |
| 214    | 12.837 | 12.821 | 12.847 | HH | 64321  | 918365  | 11.22% | 0.262% |
| 215    | 12.867 | 12.847 | 12.891 | HH | 115676 | 2072745 | 25.33% | 0.592% |
| 216    | 12.921 | 12.891 | 12.967 | HH | 419940 | 6250961 | 76.39% | 1.787% |
| 217    | 12.976 | 12.967 | 12.995 | HH | 36495  | 579934  | 7.09%  | 0.166% |
| 218    | 13.016 | 12.995 | 13.029 | HH | 41738  | 795496  | 9.72%  | 0.227% |
| 219    | 13.053 | 13.029 | 13.072 | HH | 94390  | 1666487 | 20.37% | 0.476% |
| 220    | 13.078 | 13.072 | 13.087 | HH | 52727  | 460322  | 5.63%  | 0.132% |
| 221    | 13.104 | 13.087 | 13.126 | HH | 67645  | 1327756 | 16.23% | 0.380% |
| 222    | 13.130 | 13.126 | 13.143 | HH | 53922  | 542849  | 6.63%  | 0.155% |
| 223    | 13.159 | 13.143 | 13.189 | HH | 65345  | 1484992 | 18.15% | 0.424% |
| 224    | 13.221 | 13.189 | 13.243 | HH | 484650 | 6523779 | 79.73% | 1.865% |
| 225    | 13.267 | 13.243 | 13.280 | HH | 111919 | 1857396 | 22.70% | 0.531% |
| 226    | 13.298 | 13.280 | 13.333 | HH | 161306 | 3163240 | 38.66% | 0.904% |
| 227    | 13.354 | 13.333 | 13.375 | HH | 107591 | 1882771 | 23.01% | 0.538% |
| 228    | 13.388 | 13.375 | 13.402 | HH | 56205  | 870655  | 10.64% | 0.249% |
| 229    | 13.416 | 13.402 | 13.447 | HH | 55401  | 1271246 | 15.54% | 0.363% |
| 230    | 13.481 | 13.447 | 13.510 | HH | 107142 | 2513511 | 30.72% | 0.718% |
| 231    | 13.541 | 13.510 | 13.587 | HH | 80046  | 2725197 | 33.30% | 0.779% |
| 232    | 13.613 | 13.587 | 13.628 | HH | 60135  | 1283044 | 15.68% | 0.367% |
| 233    | 13.643 | 13.628 | 13.653 | HH | 56110  | 802502  | 9.81%  | 0.229% |
| 234    | 13.675 | 13.653 | 13.690 | HH | 90167  | 1640050 | 20.04% | 0.469% |
| 235    | 13.705 | 13.690 | 13.744 | HH | 100311 | 2217463 | 27.10% | 0.634% |
| 236    | 13.805 | 13.744 | 13.841 | HH | 154650 | 4674248 | 57.12% | 1.336% |
| 237    | 13.855 | 13.841 | 13.889 | HH | 57547  | 1579529 | 19.30% | 0.451% |
| 238    | 13.913 | 13.889 | 13.933 | HH | 107843 | 2066865 | 25.26% | 0.591% |
| 239    | 13.952 | 13.933 | 13.976 | HH | 119607 | 2151021 | 26.29% | 0.615% |
| 240    | 13.993 | 13.976 | 14.011 | HH | 61907  | 1239250 | 15.14% | 0.354% |
| 241    | 14.036 | 14.011 | 14.043 | HH | 66706  | 1204793 | 14.72% | 0.344% |
| 242    | 14.082 | 14.043 | 14.102 | HH | 130123 | 3275802 | 40.03% | 0.936% |
| 243    | 14.121 | 14.102 | 14.170 | HH | 117518 | 2923850 | 35.73% | 0.836% |
| 244    | 14.192 | 14.170 | 14.226 | HH | 56288  | 1759865 | 21.51% | 0.503% |
| 245    | 14.291 | 14.226 | 14.326 | HH | 58916  | 3272470 | 39.99% | 0.935% |
| 246    | 14.332 | 14.326 | 14.347 | HH | 53568  | 684187  | 8.36%  | 0.196% |

| rteres |        |        |        |    |        |         |        |        |
|--------|--------|--------|--------|----|--------|---------|--------|--------|
| 247    | 14.363 | 14.347 | 14.372 | HH | 53019  | 781871  | 9.55%  | 0.223% |
| 248    | 14.390 | 14.372 | 14.407 | HH | 57261  | 1137215 | 13.90% | 0.325% |
| 249    | 14.427 | 14.407 | 14.439 | HH | 58649  | 1078004 | 13.17% | 0.308% |
| 250    | 14.449 | 14.439 | 14.460 | HH | 58164  | 710604  | 8.68%  | 0.203% |
|        |        |        |        |    |        |         |        |        |
| 251    | 14.506 | 14.460 | 14.521 | HH | 80439  | 2561096 | 31.30% | 0.732% |
| 252    | 14.538 | 14.521 | 14.578 | HH | 97084  | 2525597 | 30.86% | 0.722% |
| 253    | 14.629 | 14.578 | 14.677 | HH | 102712 | 4457810 | 54.48% | 1.274% |
| 254    | 14.719 | 14.677 | 14.739 | HH | 117537 | 3159500 | 38.61% | 0.903% |
| 255    | 14.746 | 14.739 | 14.759 | HH | 79616  | 923957  | 11.29% | 0.264% |
|        |        |        |        |    |        |         |        |        |
| 256    | 14.782 | 14.759 | 14.804 | HH | 155433 | 2866135 | 35.03% | 0.819% |
| 257    | 14.843 | 14.804 | 14.874 | HH | 103918 | 3305620 | 40.40% | 0.945% |
| 258    | 14.906 | 14.874 | 14.922 | HH | 73340  | 1937262 | 23.67% | 0.554% |
| 259    | 14.966 | 14.922 | 15.015 | HH | 221868 | 5773089 | 70.55% | 1.650% |
| 260    | 15.047 | 15.015 | 15.066 | HH | 109032 | 2476556 | 30.27% | 0.708% |
|        |        |        |        |    |        |         |        |        |
| 261    | 15.097 | 15.066 | 15.116 | HH | 322692 | 5185760 | 63.37% | 1.482% |
| 262    | 15.139 | 15.116 | 15.159 | HH | 334511 | 4974681 | 60.79% | 1.422% |
| 263    | 15.169 | 15.159 | 15.203 | HH | 89747  | 2074031 | 25.35% | 0.593% |
| 264    | 15.208 | 15.203 | 15.211 | HH | 67692  | 311673  | 3.81%  | 0.089% |
| 265    | 15.252 | 15.211 | 15.287 | HH | 135417 | 4268664 | 52.17% | 1.220% |
|        |        |        |        |    |        |         |        |        |
| 266    | 15.301 | 15.287 | 15.317 | HH | 89186  | 1500056 | 18.33% | 0.429% |
| 267    | 15.330 | 15.317 | 15.361 | HH | 83111  | 2007462 | 24.53% | 0.574% |
| 268    | 15.407 | 15.361 | 15.441 | HH | 100311 | 4087483 | 49.95% | 1.168% |
| 269    | 15.450 | 15.441 | 15.469 | HH | 91243  | 1458713 | 17.83% | 0.417% |
| 270    | 15.475 | 15.469 | 15.494 | HH | 77473  | 1089188 | 13.31% | 0.311% |
|        |        |        |        |    |        |         |        |        |
| 271    | 15.545 | 15.494 | 15.617 | HH | 186102 | 7395812 | 90.38% | 2.114% |
| 272    | 15.643 | 15.617 | 15.660 | HH | 79564  | 1982940 | 24.23% | 0.567% |
| 273    | 15.687 | 15.660 | 15.710 | HH | 105214 | 2772906 | 33.89% | 0.793% |
| 274    | 15.725 | 15.710 | 15.744 | HH | 98651  | 1873980 | 22.90% | 0.536% |
| 275    | 15.769 | 15.744 | 15.788 | HH | 174362 | 3352343 | 40.97% | 0.958% |
|        |        |        |        |    |        |         |        |        |
| 276    | 15.806 | 15.788 | 15.832 | HH | 120075 | 2629717 | 32.14% | 0.752% |
| 277    | 15.850 | 15.832 | 15.863 | HH | 98423  | 1740187 | 21.27% | 0.497% |
| 278    | 15.931 | 15.863 | 15.969 | HH | 145807 | 6855269 | 83.78% | 1.959% |
| 279    | 16.006 | 15.969 | 16.036 | HH | 101636 | 3591487 | 43.89% | 1.027% |
| 280    | 16.055 | 16.036 | 16.060 | HH | 88640  | 1256433 | 15.35% | 0.359% |
|        |        |        |        |    |        |         |        |        |
| 281    | 16.062 | 16.060 | 16.073 | HH | 87774  | 686986  | 8.40%  | 0.196% |
| 282    | 16.090 | 16.073 | 16.108 | HH | 96497  | 1893702 | 23.14% | 0.541% |
| 283    | 16.128 | 16.108 | 16.149 | HH | 91472  | 2177986 | 26.62% | 0.623% |
| 284    | 16.161 | 16.149 | 16.168 | HH | 91654  | 1022684 | 12.50% | 0.292% |
| 285    | 16.191 | 16.168 | 16.227 | HH | 114654 | 3465383 | 42.35% | 0.990% |
|        |        |        |        |    |        |         |        |        |
| 286    | 16.233 | 16.227 | 16.237 | HH | 86285  | 521737  | 6.38%  | 0.149% |
| 287    | 16.243 | 16.237 | 16.263 | HH | 86940  | 1283659 | 15.69% | 0.367% |
| 288    | 16.295 | 16.263 | 16.315 | HH | 86475  | 2628507 | 32.12% | 0.751% |
| 289    | 16.326 | 16.315 | 16.337 | HH | 81764  | 1092959 | 13.36% | 0.312% |
| 290    | 16.378 | 16.337 | 16.398 | HH | 109478 | 3595009 | 43.93% | 1.028% |
|        |        |        |        |    |        |         |        |        |
| 291    | 16.405 | 16.398 | 16.420 | HH | 97836  | 1231320 | 15.05% | 0.352% |
| 292    | 16.440 | 16.420 | 16.454 | HH | 100171 | 1912659 | 23.37% | 0.547% |
| 293    | 16.475 | 16.454 | 16.481 | HH | 104568 | 1648448 | 20.15% | 0.471% |
| 294    | 16.485 | 16.481 | 16.501 | HH | 104412 | 1216914 | 14.87% | 0.348% |
| 295    | 16.535 | 16.501 | 16.543 | HH | 104230 | 2564092 | 31.33% | 0.733% |
|        |        |        |        |    |        |         |        |        |
| 296    | 16.570 | 16.543 | 16.574 | HH | 123266 | 2141239 | 26.17% | 0.612% |
| 297    | 16.579 | 16.574 | 16.609 | HH | 123998 | 2271806 | 27.76% | 0.649% |
| 298    | 16.661 | 16.609 | 16.677 | HH | 374189 | 8149769 | 99.60% | 2.329% |
| 299    | 16.683 | 16.677 | 16.727 | HH | 240081 | 4282648 | 52.34% | 1.224% |

|     |        |        |        |     |                         |         |           |        |
|-----|--------|--------|--------|-----|-------------------------|---------|-----------|--------|
|     |        |        |        |     |                         | rteres  |           |        |
| 300 | 16.755 | 16.727 | 16.759 | HH  | 101678                  | 1847474 | 22.58%    | 0.528% |
| 301 | 16.786 | 16.759 | 16.820 | HH  | 185354                  | 5014266 | 61.28%    | 1.433% |
| 302 | 16.824 | 16.820 | 16.831 | HH  | 110238                  | 718302  | 8.78%     | 0.205% |
| 303 | 16.836 | 16.831 | 16.866 | HH  | 111266                  | 2218483 | 27.11%    | 0.634% |
| 304 | 16.903 | 16.866 | 16.927 | HH  | 110985                  | 3795310 | 46.38%    | 1.085% |
| 305 | 16.979 | 16.927 | 17.006 | HH  | 299522                  | 8090407 | 98.87%    | 2.312% |
| 306 | 17.039 | 17.006 | 17.086 | HH  | 370789                  | 8182852 | 100.00%   | 2.339% |
| 307 | 17.108 | 17.086 | 17.114 | HH  | 107827                  | 1742777 | 21.30%    | 0.498% |
| 308 | 17.136 | 17.114 | 17.171 | HH  | 175881                  | 4529354 | 55.35%    | 1.295% |
| 309 | 17.187 | 17.171 | 17.201 | HHA | 119241                  | 2142604 | 26.18%    | 0.612% |
|     |        |        |        |     | Sum of corrected areas: |         | 349868119 |        |

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