

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG080318\  
 Data File : FG001930.D  
 Signal(s) : FID1A.ch  
 Acq On : 03 Aug 2018 08:15  
 Sample : J4305-05  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\FG073018.M  
 Title :

Signal : FID1A.ch

| peak<br># | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-----------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1         | 2.156       | 2.135        | 2.251      | PH       | 2692           | 31590        | 0.12%          | 0.003%        |
| 2         | 2.279       | 2.251        | 2.294      | PH       | 435            | 4881         | 0.02%          | 0.001%        |
| 3         | 2.322       | 2.294        | 2.348      | HH       | 1125           | 15610        | 0.06%          | 0.002%        |
| 4         | 2.376       | 2.348        | 2.403      | HH       | 1482           | 19616        | 0.07%          | 0.002%        |
| 5         | 2.422       | 2.403        | 2.457      | HH       | 1857           | 27211        | 0.10%          | 0.003%        |
| 6         | 2.474       | 2.457        | 2.486      | HH       | 1782           | 17904        | 0.07%          | 0.002%        |
| 7         | 2.504       | 2.486        | 2.532      | HH       | 1378           | 30635        | 0.11%          | 0.003%        |
| 8         | 2.541       | 2.532        | 2.549      | HH       | 891            | 8905         | 0.03%          | 0.001%        |
| 9         | 2.565       | 2.549        | 2.576      | HH       | 954            | 14556        | 0.05%          | 0.002%        |
| 10        | 2.603       | 2.576        | 2.615      | HH       | 1566           | 28317        | 0.10%          | 0.003%        |
| 11        | 2.623       | 2.615        | 2.671      | HH       | 1366           | 34371        | 0.13%          | 0.004%        |
| 12        | 2.694       | 2.671        | 2.723      | HH       | 2912           | 59880        | 0.22%          | 0.007%        |
| 13        | 2.732       | 2.723        | 2.740      | HH       | 1473           | 14408        | 0.05%          | 0.002%        |
| 14        | 2.753       | 2.740        | 2.771      | HH       | 1989           | 27352        | 0.10%          | 0.003%        |
| 15        | 2.789       | 2.771        | 2.837      | HH       | 1496           | 51495        | 0.19%          | 0.006%        |
| 16        | 2.868       | 2.837        | 2.882      | HH       | 1832           | 42010        | 0.16%          | 0.005%        |
| 17        | 2.912       | 2.882        | 2.935      | HH       | 3052           | 64380        | 0.24%          | 0.007%        |
| 18        | 2.951       | 2.935        | 2.972      | HH       | 2305           | 41104        | 0.15%          | 0.004%        |
| 19        | 2.981       | 2.972        | 3.028      | HH       | 1781           | 43814        | 0.16%          | 0.005%        |
| 20        | 3.051       | 3.028        | 3.084      | HH       | 1310           | 37056        | 0.14%          | 0.004%        |
| 21        | 3.102       | 3.084        | 3.141      | HH       | 1410           | 33759        | 0.13%          | 0.004%        |
| 22        | 3.163       | 3.141        | 3.189      | HH       | 3077           | 47443        | 0.18%          | 0.005%        |
| 23        | 3.210       | 3.189        | 3.244      | HH       | 1476           | 35272        | 0.13%          | 0.004%        |
| 24        | 3.281       | 3.244        | 3.295      | HH       | 1309           | 28112        | 0.10%          | 0.003%        |
| 25        | 3.306       | 3.295        | 3.319      | HH       | 1095           | 13253        | 0.05%          | 0.001%        |
| 26        | 3.346       | 3.319        | 3.382      | HH       | 2082           | 50887        | 0.19%          | 0.006%        |
| 27        | 3.396       | 3.382        | 3.407      | HH       | 1187           | 16932        | 0.06%          | 0.002%        |
| 28        | 3.425       | 3.407        | 3.470      | HH       | 1981           | 53754        | 0.20%          | 0.006%        |
| 29        | 3.482       | 3.470        | 3.508      | HH       | 1237           | 24472        | 0.09%          | 0.003%        |
| 30        | 3.532       | 3.508        | 3.590      | HH       | 2753           | 70406        | 0.26%          | 0.008%        |
| 31        | 3.610       | 3.590        | 3.634      | HH       | 1757           | 35927        | 0.13%          | 0.004%        |
| 32        | 3.651       | 3.634        | 3.680      | HH       | 1642           | 33346        | 0.12%          | 0.004%        |
| 33        | 3.693       | 3.680        | 3.715      | HH       | 1507           | 21945        | 0.08%          | 0.002%        |
| 34        | 3.736       | 3.715        | 3.786      | HH       | 2173           | 51753        | 0.19%          | 0.006%        |
| 35        | 3.826       | 3.786        | 3.835      | HH       | 2023           | 39872        | 0.15%          | 0.004%        |
| 36        | 3.852       | 3.835        | 3.887      | HH       | 4214           | 85674        | 0.32%          | 0.009%        |

| rteres.txt |       |       |       |    |      |        |       |        |
|------------|-------|-------|-------|----|------|--------|-------|--------|
| 37         | 3.907 | 3.887 | 3.959 | HH | 2991 | 91822  | 0.34% | 0.010% |
| 38         | 3.988 | 3.959 | 4.008 | HH | 2236 | 47166  | 0.17% | 0.005% |
| 39         | 4.026 | 4.008 | 4.091 | HH | 2841 | 79606  | 0.29% | 0.009% |
| 40         | 4.102 | 4.091 | 4.114 | HH | 1090 | 13756  | 0.05% | 0.001% |
| 41         | 4.133 | 4.114 | 4.154 | HH | 1167 | 23957  | 0.09% | 0.003% |
| 42         | 4.173 | 4.154 | 4.202 | HH | 1174 | 28276  | 0.10% | 0.003% |
| 43         | 4.226 | 4.202 | 4.246 | HH | 3863 | 51049  | 0.19% | 0.006% |
| 44         | 4.262 | 4.246 | 4.278 | HH | 1626 | 25149  | 0.09% | 0.003% |
| 45         | 4.297 | 4.278 | 4.314 | HH | 1537 | 26889  | 0.10% | 0.003% |
| 46         | 4.328 | 4.314 | 4.352 | HH | 1258 | 26161  | 0.10% | 0.003% |
| 47         | 4.376 | 4.352 | 4.404 | HH | 2534 | 55303  | 0.20% | 0.006% |
| 48         | 4.437 | 4.404 | 4.463 | HH | 1900 | 56873  | 0.21% | 0.006% |
| 49         | 4.478 | 4.463 | 4.491 | HH | 2126 | 26926  | 0.10% | 0.003% |
| 50         | 4.503 | 4.491 | 4.523 | HH | 1837 | 25931  | 0.10% | 0.003% |
| 51         | 4.548 | 4.523 | 4.558 | HH | 1019 | 18291  | 0.07% | 0.002% |
| 52         | 4.601 | 4.558 | 4.618 | HH | 1528 | 42933  | 0.16% | 0.005% |
| 53         | 4.641 | 4.618 | 4.661 | HH | 1508 | 35052  | 0.13% | 0.004% |
| 54         | 4.686 | 4.661 | 4.732 | HH | 2601 | 62097  | 0.23% | 0.007% |
| 55         | 4.748 | 4.732 | 4.792 | HH | 1310 | 36800  | 0.14% | 0.004% |
| 56         | 4.818 | 4.792 | 4.845 | HH | 1657 | 39393  | 0.15% | 0.004% |
| 57         | 4.861 | 4.845 | 4.875 | HH | 1518 | 22991  | 0.09% | 0.002% |
| 58         | 4.903 | 4.875 | 4.922 | HH | 1910 | 43858  | 0.16% | 0.005% |
| 59         | 4.933 | 4.922 | 4.948 | HH | 1582 | 21539  | 0.08% | 0.002% |
| 60         | 4.965 | 4.948 | 5.015 | HH | 1822 | 47154  | 0.17% | 0.005% |
| 61         | 5.022 | 5.015 | 5.042 | HH | 843  | 12191  | 0.05% | 0.001% |
| 62         | 5.082 | 5.042 | 5.108 | HH | 2698 | 56409  | 0.21% | 0.006% |
| 63         | 5.117 | 5.108 | 5.128 | HH | 1352 | 15069  | 0.06% | 0.002% |
| 64         | 5.143 | 5.128 | 5.191 | HH | 1598 | 40850  | 0.15% | 0.004% |
| 65         | 5.204 | 5.191 | 5.222 | HH | 862  | 14012  | 0.05% | 0.002% |
| 66         | 5.259 | 5.222 | 5.315 | HH | 4822 | 103243 | 0.38% | 0.011% |
| 67         | 5.337 | 5.315 | 5.354 | HH | 4081 | 55403  | 0.21% | 0.006% |
| 68         | 5.369 | 5.354 | 5.407 | HH | 2073 | 49566  | 0.18% | 0.005% |
| 69         | 5.438 | 5.407 | 5.469 | HH | 2021 | 51704  | 0.19% | 0.006% |
| 70         | 5.509 | 5.469 | 5.520 | HH | 1419 | 35461  | 0.13% | 0.004% |
| 71         | 5.551 | 5.520 | 5.577 | HH | 2140 | 57379  | 0.21% | 0.006% |
| 72         | 5.588 | 5.577 | 5.610 | HH | 1532 | 25984  | 0.10% | 0.003% |
| 73         | 5.625 | 5.610 | 5.639 | HH | 1401 | 21247  | 0.08% | 0.002% |
| 74         | 5.659 | 5.639 | 5.684 | HH | 1367 | 33867  | 0.13% | 0.004% |
| 75         | 5.710 | 5.684 | 5.732 | HH | 1689 | 42201  | 0.16% | 0.005% |
| 76         | 5.763 | 5.732 | 5.782 | HH | 2434 | 54554  | 0.20% | 0.006% |
| 77         | 5.801 | 5.782 | 5.876 | HH | 8672 | 196964 | 0.73% | 0.021% |
| 78         | 5.896 | 5.876 | 5.920 | HH | 2412 | 46753  | 0.17% | 0.005% |
| 79         | 5.963 | 5.920 | 6.004 | HH | 2730 | 92288  | 0.34% | 0.010% |
| 80         | 6.037 | 6.004 | 6.057 | HH | 2017 | 50824  | 0.19% | 0.006% |
| 81         | 6.086 | 6.057 | 6.121 | HH | 3347 | 84634  | 0.31% | 0.009% |
| 82         | 6.140 | 6.121 | 6.172 | HH | 2108 | 61794  | 0.23% | 0.007% |
| 83         | 6.185 | 6.172 | 6.213 | HH | 2118 | 49575  | 0.18% | 0.005% |
| 84         | 6.237 | 6.213 | 6.291 | HH | 6346 | 128525 | 0.48% | 0.014% |
| 85         | 6.313 | 6.291 | 6.332 | HH | 1937 | 39862  | 0.15% | 0.004% |
| 86         | 6.385 | 6.332 | 6.407 | HH | 3393 | 93601  | 0.35% | 0.010% |
| 87         | 6.419 | 6.407 | 6.472 | HH | 1893 | 59723  | 0.22% | 0.006% |
| 88         | 6.509 | 6.472 | 6.528 | HH | 1762 | 49884  | 0.18% | 0.005% |
| 89         | 6.554 | 6.528 | 6.577 | HH | 2376 | 55732  | 0.21% | 0.006% |

| rteres.txt |       |       |       |    |       |         |       |        |
|------------|-------|-------|-------|----|-------|---------|-------|--------|
| 90         | 6.589 | 6.577 | 6.604 | HH | 2093  | 32559   | 0.12% | 0.004% |
| 91         | 6.630 | 6.604 | 6.648 | HH | 2354  | 56194   | 0.21% | 0.006% |
| 92         | 6.666 | 6.648 | 6.689 | HH | 2221  | 49190   | 0.18% | 0.005% |
| 93         | 6.732 | 6.689 | 6.776 | HH | 3607  | 142360  | 0.53% | 0.015% |
| 94         | 6.793 | 6.776 | 6.820 | HH | 3148  | 70521   | 0.26% | 0.008% |
| 95         | 6.854 | 6.820 | 6.880 | HH | 8524  | 158116  | 0.59% | 0.017% |
| 96         | 6.892 | 6.880 | 6.912 | HH | 3499  | 58653   | 0.22% | 0.006% |
| 97         | 6.938 | 6.912 | 6.965 | HH | 4772  | 103633  | 0.38% | 0.011% |
| 98         | 6.986 | 6.965 | 7.015 | HH | 7901  | 129441  | 0.48% | 0.014% |
| 99         | 7.032 | 7.015 | 7.048 | HH | 3728  | 63581   | 0.24% | 0.007% |
| 100        | 7.057 | 7.048 | 7.087 | HH | 3006  | 60380   | 0.22% | 0.007% |
| 101        | 7.105 | 7.087 | 7.122 | HH | 2607  | 49265   | 0.18% | 0.005% |
| 102        | 7.159 | 7.122 | 7.182 | HH | 8929  | 160558  | 0.59% | 0.017% |
| 103        | 7.200 | 7.182 | 7.267 | HH | 4467  | 162667  | 0.60% | 0.018% |
| 104        | 7.289 | 7.267 | 7.298 | HH | 2770  | 49656   | 0.18% | 0.005% |
| 105        | 7.329 | 7.298 | 7.357 | HH | 3495  | 102209  | 0.38% | 0.011% |
| 106        | 7.382 | 7.357 | 7.405 | HH | 2790  | 70914   | 0.26% | 0.008% |
| 107        | 7.437 | 7.405 | 7.471 | HH | 4099  | 111858  | 0.41% | 0.012% |
| 108        | 7.496 | 7.471 | 7.505 | HH | 3149  | 57817   | 0.21% | 0.006% |
| 109        | 7.516 | 7.505 | 7.548 | HH | 3122  | 71683   | 0.27% | 0.008% |
| 110        | 7.582 | 7.548 | 7.594 | HH | 5467  | 106791  | 0.40% | 0.012% |
| 111        | 7.607 | 7.594 | 7.661 | HH | 5182  | 162932  | 0.60% | 0.018% |
| 112        | 7.681 | 7.661 | 7.700 | HH | 3604  | 78946   | 0.29% | 0.009% |
| 113        | 7.729 | 7.700 | 7.767 | HH | 5506  | 170747  | 0.63% | 0.019% |
| 114        | 7.780 | 7.767 | 7.795 | HH | 4060  | 63068   | 0.23% | 0.007% |
| 115        | 7.846 | 7.795 | 7.875 | HH | 7967  | 246569  | 0.91% | 0.027% |
| 116        | 7.946 | 7.875 | 7.962 | HH | 12395 | 330863  | 1.23% | 0.036% |
| 117        | 7.973 | 7.962 | 7.992 | HH | 8788  | 122806  | 0.45% | 0.013% |
| 118        | 8.027 | 7.992 | 8.055 | HH | 14480 | 282394  | 1.05% | 0.031% |
| 119        | 8.086 | 8.055 | 8.112 | HH | 97088 | 1126776 | 4.17% | 0.122% |
| 120        | 8.127 | 8.112 | 8.161 | HH | 13956 | 265716  | 0.98% | 0.029% |
| 121        | 8.176 | 8.161 | 8.198 | HH | 5681  | 109681  | 0.41% | 0.012% |
| 122        | 8.219 | 8.198 | 8.244 | HH | 5620  | 134461  | 0.50% | 0.015% |
| 123        | 8.265 | 8.244 | 8.292 | HH | 5195  | 131072  | 0.49% | 0.014% |
| 124        | 8.301 | 8.292 | 8.332 | HH | 3897  | 88065   | 0.33% | 0.010% |
| 125        | 8.422 | 8.332 | 8.454 | HH | 19598 | 512941  | 1.90% | 0.056% |
| 126        | 8.474 | 8.454 | 8.515 | HH | 8553  | 245994  | 0.91% | 0.027% |
| 127        | 8.562 | 8.515 | 8.595 | HH | 9000  | 317423  | 1.18% | 0.034% |
| 128        | 8.618 | 8.595 | 8.636 | HH | 6326  | 141641  | 0.52% | 0.015% |
| 129        | 8.663 | 8.636 | 8.679 | HH | 9477  | 191100  | 0.71% | 0.021% |
| 130        | 8.698 | 8.679 | 8.724 | HH | 12290 | 232477  | 0.86% | 0.025% |
| 131        | 8.763 | 8.724 | 8.779 | HH | 8053  | 225400  | 0.83% | 0.024% |
| 132        | 8.787 | 8.779 | 8.813 | HH | 6910  | 129146  | 0.48% | 0.014% |
| 133        | 8.848 | 8.813 | 8.866 | HH | 20951 | 376126  | 1.39% | 0.041% |
| 134        | 8.873 | 8.866 | 8.918 | HH | 10165 | 217718  | 0.81% | 0.024% |
| 135        | 8.936 | 8.918 | 8.959 | HH | 6076  | 138807  | 0.51% | 0.015% |
| 136        | 8.989 | 8.959 | 9.006 | HH | 10715 | 217339  | 0.81% | 0.024% |
| 137        | 9.021 | 9.006 | 9.056 | HH | 9418  | 217944  | 0.81% | 0.024% |
| 138        | 9.072 | 9.056 | 9.090 | HH | 7038  | 131710  | 0.49% | 0.014% |
| 139        | 9.124 | 9.090 | 9.151 | HH | 10473 | 279605  | 1.04% | 0.030% |
| 140        | 9.207 | 9.151 | 9.255 | HH | 18413 | 646545  | 2.39% | 0.070% |
| 141        | 9.284 | 9.255 | 9.299 | HH | 12260 | 252577  | 0.94% | 0.027% |

| rteres.txt |        |        |        |    |        |         |        |        |
|------------|--------|--------|--------|----|--------|---------|--------|--------|
| 142        | 9.309  | 9.299  | 9.335  | HH | 10038  | 201594  | 0.75%  | 0.022% |
| 143        | 9.354  | 9.335  | 9.374  | HH | 13785  | 256809  | 0.95%  | 0.028% |
| 144        | 9.386  | 9.374  | 9.394  | HH | 9708   | 109623  | 0.41%  | 0.012% |
| 145        | 9.412  | 9.394  | 9.435  | HH | 11982  | 246471  | 0.91%  | 0.027% |
|            |        |        |        |    |        |         |        |        |
| 146        | 9.457  | 9.435  | 9.478  | HH | 9941   | 227960  | 0.84%  | 0.025% |
| 147        | 9.495  | 9.478  | 9.507  | HH | 8521   | 142790  | 0.53%  | 0.016% |
| 148        | 9.530  | 9.507  | 9.550  | HH | 13670  | 278892  | 1.03%  | 0.030% |
| 149        | 9.563  | 9.550  | 9.598  | HH | 10849  | 295606  | 1.09%  | 0.032% |
| 150        | 9.626  | 9.598  | 9.673  | HH | 37669  | 740427  | 2.74%  | 0.080% |
|            |        |        |        |    |        |         |        |        |
| 151        | 9.691  | 9.673  | 9.707  | HH | 10291  | 200924  | 0.74%  | 0.022% |
| 152        | 9.724  | 9.707  | 9.759  | HH | 10083  | 282062  | 1.04%  | 0.031% |
| 153        | 9.794  | 9.759  | 9.818  | HH | 9897   | 310616  | 1.15%  | 0.034% |
| 154        | 9.834  | 9.818  | 9.877  | HH | 8865   | 304766  | 1.13%  | 0.033% |
| 155        | 9.903  | 9.877  | 9.921  | HH | 8806   | 228291  | 0.85%  | 0.025% |
|            |        |        |        |    |        |         |        |        |
| 156        | 9.951  | 9.921  | 9.963  | HH | 11955  | 258778  | 0.96%  | 0.028% |
| 157        | 9.972  | 9.963  | 9.985  | HH | 11309  | 141579  | 0.52%  | 0.015% |
| 158        | 10.012 | 9.985  | 10.037 | HH | 16445  | 413188  | 1.53%  | 0.045% |
| 159        | 10.064 | 10.037 | 10.077 | HH | 16268  | 334404  | 1.24%  | 0.036% |
| 160        | 10.089 | 10.077 | 10.115 | HH | 16024  | 336528  | 1.25%  | 0.037% |
|            |        |        |        |    |        |         |        |        |
| 161        | 10.130 | 10.115 | 10.143 | HH | 14027  | 224788  | 0.83%  | 0.024% |
| 162        | 10.155 | 10.143 | 10.177 | HH | 13721  | 248921  | 0.92%  | 0.027% |
| 163        | 10.205 | 10.177 | 10.237 | HH | 16981  | 494708  | 1.83%  | 0.054% |
| 164        | 10.264 | 10.237 | 10.306 | HH | 23346  | 686467  | 2.54%  | 0.075% |
| 165        | 10.364 | 10.306 | 10.390 | HH | 41769  | 1063727 | 3.94%  | 0.115% |
|            |        |        |        |    |        |         |        |        |
| 166        | 10.410 | 10.390 | 10.421 | HH | 23515  | 389729  | 1.44%  | 0.042% |
| 167        | 10.433 | 10.421 | 10.464 | HH | 24394  | 493583  | 1.83%  | 0.054% |
| 168        | 10.476 | 10.464 | 10.491 | HH | 15590  | 242923  | 0.90%  | 0.026% |
| 169        | 10.507 | 10.491 | 10.523 | HH | 17383  | 302674  | 1.12%  | 0.033% |
| 170        | 10.539 | 10.523 | 10.558 | HH | 15174  | 297321  | 1.10%  | 0.032% |
|            |        |        |        |    |        |         |        |        |
| 171        | 10.604 | 10.558 | 10.656 | HH | 199345 | 2937903 | 10.88% | 0.319% |
| 172        | 10.680 | 10.656 | 10.715 | HH | 53805  | 1000126 | 3.70%  | 0.109% |
| 173        | 10.743 | 10.715 | 10.770 | HH | 18373  | 579645  | 2.15%  | 0.063% |
| 174        | 10.780 | 10.770 | 10.801 | HH | 16505  | 296305  | 1.10%  | 0.032% |
| 175        | 10.818 | 10.801 | 10.843 | HH | 17385  | 407285  | 1.51%  | 0.044% |
|            |        |        |        |    |        |         |        |        |
| 176        | 10.867 | 10.843 | 10.883 | HH | 19540  | 415451  | 1.54%  | 0.045% |
| 177        | 10.907 | 10.883 | 10.943 | HH | 30232  | 796828  | 2.95%  | 0.086% |
| 178        | 10.976 | 10.943 | 10.984 | HH | 17821  | 415817  | 1.54%  | 0.045% |
| 179        | 11.008 | 10.984 | 11.024 | HH | 19412  | 457495  | 1.69%  | 0.050% |
| 180        | 11.065 | 11.024 | 11.086 | HH | 40083  | 944649  | 3.50%  | 0.103% |
|            |        |        |        |    |        |         |        |        |
| 181        | 11.099 | 11.086 | 11.110 | HH | 21370  | 302164  | 1.12%  | 0.033% |
| 182        | 11.134 | 11.110 | 11.181 | HH | 28363  | 1024408 | 3.79%  | 0.111% |
| 183        | 11.209 | 11.181 | 11.234 | HH | 22728  | 652283  | 2.42%  | 0.071% |
| 184        | 11.257 | 11.234 | 11.279 | HH | 24711  | 598019  | 2.22%  | 0.065% |
| 185        | 11.303 | 11.279 | 11.322 | HH | 23959  | 556453  | 2.06%  | 0.060% |
|            |        |        |        |    |        |         |        |        |
| 186        | 11.364 | 11.322 | 11.379 | HH | 22738  | 738652  | 2.74%  | 0.080% |
| 187        | 11.407 | 11.379 | 11.422 | HH | 50790  | 868638  | 3.22%  | 0.094% |
| 188        | 11.438 | 11.422 | 11.479 | HH | 60030  | 1243789 | 4.61%  | 0.135% |
| 189        | 11.518 | 11.479 | 11.537 | HH | 46818  | 1188411 | 4.40%  | 0.129% |
| 190        | 11.555 | 11.537 | 11.569 | HH | 45603  | 710411  | 2.63%  | 0.077% |
|            |        |        |        |    |        |         |        |        |
| 191        | 11.585 | 11.569 | 11.630 | HH | 49838  | 1174466 | 4.35%  | 0.127% |
| 192        | 11.682 | 11.630 | 11.693 | HH | 26803  | 953277  | 3.53%  | 0.103% |
| 193        | 11.735 | 11.693 | 11.759 | HH | 46589  | 1291553 | 4.78%  | 0.140% |
| 194        | 11.779 | 11.759 | 11.852 | HH | 41409  | 1730186 | 6.41%  | 0.188% |

|     |        |        |        |    | rteres.txt |         |        |        |
|-----|--------|--------|--------|----|------------|---------|--------|--------|
| 195 | 11.879 | 11.852 | 11.917 | HH | 43322      | 1275434 | 4.72%  | 0.138% |
| 196 | 11.942 | 11.917 | 11.967 | HH | 32530      | 883301  | 3.27%  | 0.096% |
| 197 | 11.998 | 11.967 | 12.060 | HH | 44356      | 1859173 | 6.89%  | 0.202% |
| 198 | 12.088 | 12.060 | 12.100 | HH | 32610      | 772252  | 2.86%  | 0.084% |
| 199 | 12.127 | 12.100 | 12.174 | HH | 37379      | 1551639 | 5.75%  | 0.168% |
| 200 | 12.199 | 12.174 | 12.240 | HH | 41837      | 1442822 | 5.34%  | 0.157% |
| 201 | 12.268 | 12.240 | 12.288 | HH | 46713      | 1152815 | 4.27%  | 0.125% |
| 202 | 12.308 | 12.288 | 12.327 | HH | 56299      | 1083609 | 4.01%  | 0.118% |
| 203 | 12.344 | 12.327 | 12.355 | HH | 45586      | 735187  | 2.72%  | 0.080% |
| 204 | 12.373 | 12.355 | 12.396 | HH | 65560      | 1260335 | 4.67%  | 0.137% |
| 205 | 12.424 | 12.396 | 12.477 | HH | 321947     | 5022141 | 18.60% | 0.545% |
| 206 | 12.495 | 12.477 | 12.508 | HH | 38477      | 700238  | 2.59%  | 0.076% |
| 207 | 12.522 | 12.508 | 12.542 | HH | 38678      | 769579  | 2.85%  | 0.084% |
| 208 | 12.560 | 12.542 | 12.570 | HH | 42612      | 692693  | 2.57%  | 0.075% |
| 209 | 12.607 | 12.570 | 12.625 | HH | 50132      | 1478861 | 5.48%  | 0.161% |
| 210 | 12.642 | 12.625 | 12.691 | HH | 49397      | 1770931 | 6.56%  | 0.192% |
| 211 | 12.720 | 12.691 | 12.750 | HH | 276272     | 4139659 | 15.33% | 0.449% |
| 212 | 12.777 | 12.750 | 12.794 | HH | 66122      | 1410045 | 5.22%  | 0.153% |
| 213 | 12.810 | 12.794 | 12.845 | HH | 66658      | 1620953 | 6.00%  | 0.176% |
| 214 | 12.896 | 12.845 | 12.912 | HH | 55358      | 1943358 | 7.20%  | 0.211% |
| 215 | 12.928 | 12.912 | 12.957 | HH | 55863      | 1369244 | 5.07%  | 0.149% |
| 216 | 12.989 | 12.957 | 13.035 | HH | 77594      | 2618941 | 9.70%  | 0.284% |
| 217 | 13.055 | 13.035 | 13.095 | HH | 55980      | 1846161 | 6.84%  | 0.200% |
| 218 | 13.121 | 13.095 | 13.135 | HH | 57124      | 1266797 | 4.69%  | 0.138% |
| 219 | 13.150 | 13.135 | 13.158 | HH | 55730      | 764285  | 2.83%  | 0.083% |
| 220 | 13.183 | 13.158 | 13.208 | HH | 69214      | 1803813 | 6.68%  | 0.196% |
| 221 | 13.226 | 13.208 | 13.251 | HH | 53849      | 1351605 | 5.01%  | 0.147% |
| 222 | 13.312 | 13.251 | 13.351 | HH | 88364      | 3879202 | 14.37% | 0.421% |
| 223 | 13.382 | 13.351 | 13.397 | HH | 61106      | 1637032 | 6.06%  | 0.178% |
| 224 | 13.420 | 13.397 | 13.438 | HH | 70389      | 1583980 | 5.87%  | 0.172% |
| 225 | 13.458 | 13.438 | 13.481 | HH | 83024      | 1771882 | 6.56%  | 0.192% |
| 226 | 13.494 | 13.481 | 13.510 | HH | 65807      | 1146086 | 4.25%  | 0.124% |
| 227 | 13.529 | 13.510 | 13.542 | HH | 65678      | 1204511 | 4.46%  | 0.131% |
| 228 | 13.576 | 13.542 | 13.611 | HH | 90981      | 3263732 | 12.09% | 0.354% |
| 229 | 13.629 | 13.611 | 13.677 | HH | 77677      | 2696964 | 9.99%  | 0.293% |
| 230 | 13.712 | 13.677 | 13.735 | HH | 68527      | 2269757 | 8.41%  | 0.246% |
| 231 | 13.781 | 13.735 | 13.813 | HH | 69431      | 3141077 | 11.64% | 0.341% |
| 232 | 13.935 | 13.813 | 13.947 | HH | 71818      | 5514828 | 20.43% | 0.599% |
| 233 | 13.981 | 13.947 | 13.995 | HH | 75845      | 2103490 | 7.79%  | 0.228% |
| 234 | 14.057 | 13.995 | 14.108 | HH | 102513     | 5436661 | 20.14% | 0.590% |
| 235 | 14.138 | 14.108 | 14.172 | HH | 98522      | 3258366 | 12.07% | 0.354% |
| 236 | 14.181 | 14.172 | 14.195 | HH | 79015      | 1089679 | 4.04%  | 0.118% |
| 237 | 14.226 | 14.195 | 14.262 | HH | 103232     | 3535545 | 13.10% | 0.384% |
| 238 | 14.290 | 14.262 | 14.315 | HH | 110374     | 3017870 | 11.18% | 0.328% |
| 239 | 14.363 | 14.315 | 14.394 | HH | 111241     | 4384407 | 16.24% | 0.476% |
| 240 | 14.412 | 14.394 | 14.429 | HH | 88015      | 1824738 | 6.76%  | 0.198% |
| 241 | 14.475 | 14.429 | 14.505 | HH | 220250     | 5703252 | 21.13% | 0.619% |
| 242 | 14.517 | 14.505 | 14.538 | HH | 88979      | 1725959 | 6.39%  | 0.187% |
| 243 | 14.560 | 14.538 | 14.574 | HH | 94166      | 1976816 | 7.32%  | 0.215% |
| 244 | 14.605 | 14.574 | 14.625 | HH | 216161     | 4355811 | 16.13% | 0.473% |
| 245 | 14.645 | 14.625 | 14.702 | HH | 218569     | 6046193 | 22.40% | 0.656% |
| 246 | 14.714 | 14.702 | 14.735 | HH | 95182      | 1877241 | 6.95%  | 0.204% |

| rteres.txt |        |        |        |    |        |          |        |        |
|------------|--------|--------|--------|----|--------|----------|--------|--------|
| 247        | 14.766 | 14.735 | 14.823 | HH | 111602 | 5306551  | 19.66% | 0.576% |
| 248        | 14.861 | 14.823 | 14.888 | HH | 104419 | 3821515  | 14.16% | 0.415% |
| 249        | 14.918 | 14.888 | 14.938 | HH | 114212 | 3170173  | 11.74% | 0.344% |
| 250        | 14.948 | 14.938 | 14.999 | HH | 105747 | 3804324  | 14.09% | 0.413% |
| 251        | 15.059 | 14.999 | 15.122 | HH | 184610 | 8785327  | 32.54% | 0.954% |
| 252        | 15.157 | 15.122 | 15.169 | HH | 105966 | 2949796  | 10.93% | 0.320% |
| 253        | 15.197 | 15.169 | 15.221 | HH | 129563 | 3581971  | 13.27% | 0.389% |
| 254        | 15.281 | 15.221 | 15.300 | HH | 155755 | 5991640  | 22.19% | 0.650% |
| 255        | 15.316 | 15.300 | 15.342 | HH | 134739 | 3003294  | 11.12% | 0.326% |
| 256        | 15.388 | 15.342 | 15.397 | HH | 115896 | 3774084  | 13.98% | 0.410% |
| 257        | 15.440 | 15.397 | 15.492 | HH | 137614 | 7077718  | 26.22% | 0.768% |
| 258        | 15.515 | 15.492 | 15.545 | HH | 126862 | 3934374  | 14.57% | 0.427% |
| 259        | 15.570 | 15.545 | 15.587 | HH | 129284 | 3111423  | 11.53% | 0.338% |
| 260        | 15.604 | 15.587 | 15.641 | HH | 128595 | 4047866  | 14.99% | 0.439% |
| 261        | 15.662 | 15.641 | 15.679 | HH | 133906 | 2969561  | 11.00% | 0.322% |
| 262        | 15.700 | 15.679 | 15.757 | HH | 156839 | 6257756  | 23.18% | 0.679% |
| 263        | 15.781 | 15.757 | 15.792 | HH | 130111 | 2680005  | 9.93%  | 0.291% |
| 264        | 15.816 | 15.792 | 15.838 | HH | 133736 | 3612503  | 13.38% | 0.392% |
| 265        | 15.888 | 15.838 | 15.907 | HH | 148628 | 5799950  | 21.48% | 0.630% |
| 266        | 15.920 | 15.907 | 15.941 | HH | 146189 | 2906427  | 10.77% | 0.315% |
| 267        | 15.981 | 15.941 | 16.007 | HH | 148933 | 5738846  | 21.26% | 0.623% |
| 268        | 16.029 | 16.007 | 16.044 | HH | 153054 | 3331951  | 12.34% | 0.362% |
| 269        | 16.079 | 16.044 | 16.104 | HH | 166240 | 5636108  | 20.88% | 0.612% |
| 270        | 16.173 | 16.104 | 16.225 | HH | 308735 | 13960147 | 51.71% | 1.515% |
| 271        | 16.302 | 16.225 | 16.351 | HH | 190523 | 12554324 | 46.50% | 1.363% |
| 272        | 16.377 | 16.351 | 16.398 | HH | 167865 | 4709643  | 17.45% | 0.511% |
| 273        | 16.495 | 16.398 | 16.524 | HH | 271695 | 14394380 | 53.32% | 1.563% |
| 274        | 16.553 | 16.524 | 16.592 | HH | 290133 | 8641091  | 32.01% | 0.938% |
| 275        | 16.654 | 16.592 | 16.682 | HH | 248512 | 10919605 | 40.45% | 1.185% |
| 276        | 16.699 | 16.682 | 16.738 | HH | 196544 | 6468061  | 23.96% | 0.702% |
| 277        | 16.812 | 16.738 | 16.838 | HH | 200445 | 11846648 | 43.88% | 1.286% |
| 278        | 16.872 | 16.838 | 16.905 | HH | 211075 | 8206533  | 30.40% | 0.891% |
| 279        | 16.949 | 16.905 | 16.993 | HH | 208962 | 10812042 | 40.05% | 1.174% |
| 280        | 17.054 | 16.993 | 17.072 | HH | 226021 | 10050931 | 37.23% | 1.091% |
| 281        | 17.101 | 17.072 | 17.129 | HH | 233658 | 7596491  | 28.14% | 0.825% |
| 282        | 17.151 | 17.129 | 17.163 | HH | 211015 | 4278806  | 15.85% | 0.464% |
| 283        | 17.172 | 17.163 | 17.183 | HH | 211847 | 2512977  | 9.31%  | 0.273% |
| 284        | 17.214 | 17.183 | 17.248 | HH | 221129 | 8334041  | 30.87% | 0.905% |
| 285        | 17.264 | 17.248 | 17.275 | HH | 212486 | 3328540  | 12.33% | 0.361% |
| 286        | 17.290 | 17.275 | 17.347 | HH | 210492 | 9001339  | 33.34% | 0.977% |
| 287        | 17.369 | 17.347 | 17.397 | HH | 218131 | 6336115  | 23.47% | 0.688% |
| 288        | 17.424 | 17.397 | 17.445 | HH | 219160 | 6213396  | 23.02% | 0.674% |
| 289        | 17.466 | 17.445 | 17.481 | HH | 219545 | 4587417  | 16.99% | 0.498% |
| 290        | 17.538 | 17.481 | 17.583 | HH | 246633 | 14078980 | 52.15% | 1.528% |
| 291        | 17.635 | 17.583 | 17.647 | HH | 234354 | 8697671  | 32.22% | 0.944% |
| 292        | 17.668 | 17.647 | 17.754 | HH | 251758 | 15072102 | 55.83% | 1.636% |
| 293        | 17.762 | 17.754 | 17.808 | HH | 230128 | 7294075  | 27.02% | 0.792% |
| 294        | 17.842 | 17.808 | 17.875 | HH | 244288 | 9274312  | 34.35% | 1.007% |
| 295        | 17.898 | 17.875 | 17.914 | HH | 251319 | 5662154  | 20.97% | 0.615% |
| 296        | 17.936 | 17.914 | 17.956 | HH | 289751 | 6556662  | 24.29% | 0.712% |
| 297        | 17.965 | 17.956 | 18.002 | HH | 254900 | 6698096  | 24.81% | 0.727% |
| 298        | 18.033 | 18.002 | 18.050 | HH | 246656 | 6829617  | 25.30% | 0.741% |
| 299        | 18.063 | 18.050 | 18.082 | HH | 245755 | 4551002  | 16.86% | 0.494% |

| rteres.txt              |        |        |        |     |           |          |         |        |
|-------------------------|--------|--------|--------|-----|-----------|----------|---------|--------|
| 300                     | 18.098 | 18.082 | 18.158 | HH  | 245233    | 10557262 | 39.11%  | 1.146% |
| 301                     | 18.191 | 18.158 | 18.261 | HH  | 297193    | 14796697 | 54.81%  | 1.606% |
| 302                     | 18.272 | 18.261 | 18.286 | HH  | 227613    | 3488807  | 12.92%  | 0.379% |
| 303                     | 18.324 | 18.286 | 18.348 | HH  | 239426    | 8384587  | 31.06%  | 0.910% |
| 304                     | 18.367 | 18.348 | 18.406 | HH  | 234346    | 7873269  | 29.16%  | 0.855% |
| 305                     | 18.425 | 18.406 | 18.438 | HH  | 220352    | 4183708  | 15.50%  | 0.454% |
| 306                     | 18.458 | 18.438 | 18.478 | HH  | 224782    | 5291463  | 19.60%  | 0.574% |
| 307                     | 18.510 | 18.478 | 18.568 | HH  | 229096    | 11893674 | 44.06%  | 1.291% |
| 308                     | 18.578 | 18.568 | 18.598 | HH  | 215995    | 3831079  | 14.19%  | 0.416% |
| 309                     | 18.623 | 18.598 | 18.641 | HH  | 228368    | 5650538  | 20.93%  | 0.613% |
| 310                     | 18.651 | 18.641 | 18.680 | HH  | 220722    | 5120164  | 18.97%  | 0.556% |
| 311                     | 18.716 | 18.680 | 18.745 | HH  | 249923    | 9021483  | 33.42%  | 0.979% |
| 312                     | 18.769 | 18.745 | 18.833 | HH  | 233829    | 11588015 | 42.92%  | 1.258% |
| 313                     | 18.883 | 18.833 | 18.939 | HH  | 220485    | 13483780 | 49.95%  | 1.464% |
| 314                     | 18.973 | 18.939 | 19.032 | HH  | 211109    | 11517891 | 42.66%  | 1.250% |
| 315                     | 19.055 | 19.032 | 19.099 | HH  | 205723    | 8161798  | 30.23%  | 0.886% |
| 316                     | 19.162 | 19.099 | 19.192 | HH  | 214851    | 11500828 | 42.60%  | 1.248% |
| 317                     | 19.213 | 19.192 | 19.238 | HH  | 212040    | 5733441  | 21.24%  | 0.622% |
| 318                     | 19.245 | 19.238 | 19.258 | HH  | 203080    | 2434744  | 9.02%   | 0.264% |
| 319                     | 19.267 | 19.258 | 19.298 | HH  | 206743    | 4889100  | 18.11%  | 0.531% |
| 320                     | 19.357 | 19.298 | 19.398 | HH  | 230093    | 12783857 | 47.35%  | 1.388% |
| 321                     | 19.422 | 19.398 | 19.462 | HH  | 238932    | 8442401  | 31.27%  | 0.916% |
| 322                     | 19.486 | 19.462 | 19.601 | HH  | 220676    | 17473587 | 64.73%  | 1.897% |
| 323                     | 19.615 | 19.601 | 19.627 | HH  | 200312    | 3139239  | 11.63%  | 0.341% |
| 324                     | 19.647 | 19.627 | 19.662 | HH  | 203808    | 4217197  | 15.62%  | 0.458% |
| 325                     | 19.671 | 19.662 | 19.708 | HH  | 198659    | 5465902  | 20.25%  | 0.593% |
| 326                     | 19.736 | 19.708 | 19.778 | HH  | 244243    | 9057444  | 33.55%  | 0.983% |
| 327                     | 19.806 | 19.778 | 19.823 | HH  | 206764    | 5491886  | 20.34%  | 0.596% |
| 328                     | 19.834 | 19.823 | 19.868 | HH  | 205535    | 5485674  | 20.32%  | 0.595% |
| 329                     | 19.888 | 19.868 | 19.912 | HH  | 202512    | 5216455  | 19.32%  | 0.566% |
| 330                     | 19.960 | 19.912 | 19.978 | HH  | 203017    | 7938967  | 29.41%  | 0.862% |
| 331                     | 19.993 | 19.978 | 20.027 | HH  | 202073    | 5837566  | 21.62%  | 0.634% |
| 332                     | 20.057 | 20.027 | 20.132 | HH  | 215201    | 12627480 | 46.77%  | 1.371% |
| 333                     | 20.225 | 20.132 | 20.240 | HH  | 200921    | 12703019 | 47.05%  | 1.379% |
| 334                     | 20.260 | 20.240 | 20.302 | HH  | 202619    | 7425864  | 27.51%  | 0.806% |
| 335                     | 20.325 | 20.302 | 20.362 | HH  | 200094    | 7043219  | 26.09%  | 0.765% |
| 336                     | 20.391 | 20.362 | 20.516 | HH  | 203486    | 18050530 | 66.86%  | 1.959% |
| 337                     | 20.524 | 20.516 | 20.562 | HH  | 191196    | 5147976  | 19.07%  | 0.559% |
| 338                     | 20.619 | 20.562 | 20.800 | HH  | 203567    | 26996555 | 100.00% | 2.931% |
| 339                     | 20.812 | 20.800 | 20.862 | HH  | 177525    | 6463041  | 23.94%  | 0.702% |
| 340                     | 20.923 | 20.862 | 20.957 | HH  | 177163    | 9805618  | 36.32%  | 1.064% |
| 341                     | 20.972 | 20.957 | 20.980 | HH  | 172882    | 2374551  | 8.80%   | 0.258% |
| 342                     | 20.993 | 20.980 | 21.045 | HH  | 176641    | 6707989  | 24.85%  | 0.728% |
| 343                     | 21.098 | 21.045 | 21.145 | HH  | 173607    | 10062573 | 37.27%  | 1.092% |
| 344                     | 21.163 | 21.145 | 21.193 | HH  | 160052    | 4609503  | 17.07%  | 0.500% |
| 345                     | 21.207 | 21.193 | 21.224 | HH  | 157402    | 2891267  | 10.71%  | 0.314% |
| 346                     | 21.251 | 21.224 | 21.271 | HH  | 157563    | 4389236  | 16.26%  | 0.476% |
| 347                     | 21.295 | 21.271 | 21.351 | HH  | 159157    | 7552484  | 27.98%  | 0.820% |
| 348                     | 21.382 | 21.351 | 21.425 | HH  | 160429    | 6937355  | 25.70%  | 0.753% |
| 349                     | 21.451 | 21.425 | 21.502 | HHA | 157301    | 7107743  | 26.33%  | 0.772% |
| Sum of corrected areas: |        |        |        |     | 921222990 |          |         |        |

FG073018.M Fri Aug 03 16:20:44 2018 rteres.txt