

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG073118\  
 Data File : FG001904.D  
 Signal(s) : FID1A.ch  
 Acq On : 31 Jul 2018 18:06  
 Sample : J4231-19  
 Misc :  
 ALS Vial : 16 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         | 2.155       | 2.135        | 2.183      | BH       | 396            | 2296         | 0.02%          | 0.001%        |
| 2         | 2.207       | 2.183        | 2.278      | PH       | -19            | -5579        | -0.06%         | -0.002%       |
| 3         | 2.333       | 2.278        | 2.365      | PH       | 89             | -3081        | -0.03%         | -0.001%       |
| 4         | 2.378       | 2.365        | 2.401      | PH       | 1016           | 6930         | 0.07%          | 0.002%        |
| 5         | 2.420       | 2.401        | 2.446      | PH       | 76             | -1203        | -0.01%         | -0.000%       |
| 6         | 2.470       | 2.446        | 2.492      | PH       | -6             | -2713        | -0.03%         | -0.001%       |
| 7         | 2.512       | 2.492        | 2.581      | PH       | -26            | -6669        | -0.07%         | -0.002%       |
| 8         | 2.603       | 2.581        | 2.672      | PH       | 2764           | 20900        | 0.21%          | 0.006%        |
| 9         | 2.692       | 2.672        | 2.745      | PH       | 1101           | 12353        | 0.12%          | 0.004%        |
| 10        | 2.758       | 2.745        | 2.777      | PH       | 79             | -518         | -0.01%         | -0.000%       |
| 11        | 2.789       | 2.777        | 2.844      | PH       | 41             | -3490        | -0.03%         | -0.001%       |
| 12        | 2.872       | 2.844        | 2.898      | PH       | 253            | 1371         | 0.01%          | 0.000%        |
| 13        | 2.913       | 2.898        | 2.941      | PH       | 705            | 4865         | 0.05%          | 0.001%        |
| 14        | 2.960       | 2.941        | 3.016      | PH       | 66             | -1082        | -0.01%         | -0.000%       |
| 15        | 3.064       | 3.016        | 3.104      | PH       | 542            | 5218         | 0.05%          | 0.002%        |
| 16        | 3.113       | 3.104        | 3.143      | HH       | 167            | 507          | 0.01%          | 0.000%        |
| 17        | 3.163       | 3.143        | 3.235      | PH       | 525            | -1998        | -0.02%         | -0.001%       |
| 18        | 3.259       | 3.235        | 3.297      | PH       | 243            | -2615        | -0.03%         | -0.001%       |
| 19        | 3.309       | 3.297        | 3.336      | PH       | -123           | -3836        | -0.04%         | -0.001%       |
| 20        | 3.355       | 3.336        | 3.400      | PH       | -93            | -7570        | -0.08%         | -0.002%       |
| 21        | 3.456       | 3.400        | 3.502      | PH       | 565            | -3483        | -0.03%         | -0.001%       |
| 22        | 3.535       | 3.502        | 3.549      | PH       | 121            | -2830        | -0.03%         | -0.001%       |
| 23        | 3.568       | 3.549        | 3.587      | PH       | 87             | -25          | -0.00%         | -0.000%       |
| 24        | 3.601       | 3.587        | 3.628      | PH       | 43             | -721         | -0.01%         | -0.000%       |
| 25        | 3.652       | 3.628        | 3.715      | PH       | 1429           | 19431        | 0.19%          | 0.006%        |
| 26        | 3.735       | 3.715        | 3.797      | PH       | 407            | -3344        | -0.03%         | -0.001%       |
| 27        | 3.844       | 3.797        | 3.905      | PH       | 8856           | 146915       | 1.46%          | 0.045%        |
| 28        | 3.914       | 3.905        | 3.955      | HH       | 830            | 17788        | 0.18%          | 0.005%        |
| 29        | 3.987       | 3.955        | 4.014      | HH       | 1777           | 26411        | 0.26%          | 0.008%        |
| 30        | 4.029       | 4.014        | 4.058      | HH       | 565            | 9548         | 0.09%          | 0.003%        |
| 31        | 4.084       | 4.058        | 4.157      | HH       | 5514           | 73731        | 0.73%          | 0.022%        |
| 32        | 4.174       | 4.157        | 4.207      | HH       | 289            | 3160         | 0.03%          | 0.001%        |
| 33        | 4.227       | 4.207        | 4.248      | PH       | 1142           | 9490         | 0.09%          | 0.003%        |
| 34        | 4.264       | 4.248        | 4.282      | PH       | 430            | 3754         | 0.04%          | 0.001%        |
| 35        | 4.297       | 4.282        | 4.315      | PH       | 529            | 6557         | 0.07%          | 0.002%        |
| 36        | 4.326       | 4.315        | 4.347      | HH       | 554            | 6641         | 0.07%          | 0.002%        |

|    |       |       |       |    | rteres.txt |        |        |         |  |
|----|-------|-------|-------|----|------------|--------|--------|---------|--|
| 37 | 4.371 | 4.347 | 4.408 | HH | 5364       | 66870  | 0.66%  | 0.020%  |  |
| 38 | 4.435 | 4.408 | 4.466 | HH | 1058       | 15240  | 0.15%  | 0.005%  |  |
| 39 | 4.478 | 4.466 | 4.492 | HH | 163        | 1007   | 0.01%  | 0.000%  |  |
| 40 | 4.504 | 4.492 | 4.558 | PH | 29         | -5068  | -0.05% | -0.002% |  |
| 41 | 4.576 | 4.558 | 4.591 | PH | 556        | 3917   | 0.04%  | 0.001%  |  |
| 42 | 4.601 | 4.591 | 4.617 | HH | 225        | 1081   | 0.01%  | 0.000%  |  |
| 43 | 4.638 | 4.617 | 4.660 | PH | 455        | 4128   | 0.04%  | 0.001%  |  |
| 44 | 4.676 | 4.660 | 4.732 | HH | 433        | -1567  | -0.02% | -0.000% |  |
| 45 | 4.749 | 4.732 | 4.787 | PH | -111       | -8111  | -0.08% | -0.002% |  |
| 46 | 4.818 | 4.787 | 4.848 | PH | 592        | 4359   | 0.04%  | 0.001%  |  |
| 47 | 4.863 | 4.848 | 4.888 | PH | 222        | 1116   | 0.01%  | 0.000%  |  |
| 48 | 4.910 | 4.888 | 4.921 | PH | 261        | 1341   | 0.01%  | 0.000%  |  |
| 49 | 4.937 | 4.921 | 4.958 | HH | 556        | 4790   | 0.05%  | 0.001%  |  |
| 50 | 4.966 | 4.958 | 5.010 | PH | 87         | -3273  | -0.03% | -0.001% |  |
| 51 | 5.026 | 5.010 | 5.065 | PH | -99        | -6321  | -0.06% | -0.002% |  |
| 52 | 5.088 | 5.065 | 5.124 | PH | 653        | 5702   | 0.06%  | 0.002%  |  |
| 53 | 5.143 | 5.124 | 5.195 | PH | 186        | -6755  | -0.07% | -0.002% |  |
| 54 | 5.205 | 5.195 | 5.230 | PH | -59        | -6192  | -0.06% | -0.002% |  |
| 55 | 5.259 | 5.230 | 5.278 | PH | 1541       | 10343  | 0.10%  | 0.003%  |  |
| 56 | 5.287 | 5.278 | 5.318 | HH | 253        | -673   | -0.01% | -0.000% |  |
| 57 | 5.332 | 5.318 | 5.356 | PH | -129       | -4913  | -0.05% | -0.001% |  |
| 58 | 5.373 | 5.356 | 5.425 | PH | -159       | -9807  | -0.10% | -0.003% |  |
| 59 | 5.441 | 5.425 | 5.468 | PH | 330        | -77    | -0.00% | -0.000% |  |
| 60 | 5.533 | 5.468 | 5.542 | PH | 688        | 5557   | 0.06%  | 0.002%  |  |
| 61 | 5.554 | 5.542 | 5.609 | HH | 852        | 12278  | 0.12%  | 0.004%  |  |
| 62 | 5.625 | 5.609 | 5.643 | PH | 125        | -1466  | -0.01% | -0.000% |  |
| 63 | 5.668 | 5.643 | 5.734 | PH | 1900       | 33776  | 0.34%  | 0.010%  |  |
| 64 | 5.759 | 5.734 | 5.771 | PH | 134        | 816    | 0.01%  | 0.000%  |  |
| 65 | 5.797 | 5.771 | 5.836 | PH | 57248      | 620794 | 6.17%  | 0.188%  |  |
| 66 | 5.847 | 5.836 | 5.883 | HH | 2030       | 33716  | 0.34%  | 0.010%  |  |
| 67 | 5.896 | 5.883 | 5.915 | HH | 583        | 8368   | 0.08%  | 0.003%  |  |
| 68 | 5.963 | 5.915 | 5.999 | HH | 2969       | 42233  | 0.42%  | 0.013%  |  |
| 69 | 6.029 | 5.999 | 6.063 | HH | 985        | 17121  | 0.17%  | 0.005%  |  |
| 70 | 6.088 | 6.063 | 6.118 | HH | 634        | 11429  | 0.11%  | 0.003%  |  |
| 71 | 6.132 | 6.118 | 6.148 | HH | 313        | 4895   | 0.05%  | 0.001%  |  |
| 72 | 6.163 | 6.148 | 6.210 | HH | 365        | 11151  | 0.11%  | 0.003%  |  |
| 73 | 6.237 | 6.210 | 6.298 | HH | 2251       | 29976  | 0.30%  | 0.009%  |  |
| 74 | 6.315 | 6.298 | 6.333 | PH | 111        | 4      | 0.00%  | 0.000%  |  |
| 75 | 6.382 | 6.333 | 6.402 | PH | 872        | 11914  | 0.12%  | 0.004%  |  |
| 76 | 6.430 | 6.402 | 6.471 | HH | 326        | 2789   | 0.03%  | 0.001%  |  |
| 77 | 6.507 | 6.471 | 6.525 | PH | 88         | -2425  | -0.02% | -0.001% |  |
| 78 | 6.568 | 6.525 | 6.595 | PH | 588        | 10645  | 0.11%  | 0.003%  |  |
| 79 | 6.627 | 6.595 | 6.650 | HH | 433        | 7372   | 0.07%  | 0.002%  |  |
| 80 | 6.664 | 6.650 | 6.700 | PH | 135        | -1292  | -0.01% | -0.000% |  |
| 81 | 6.755 | 6.700 | 6.776 | PH | 981        | 16180  | 0.16%  | 0.005%  |  |
| 82 | 6.790 | 6.776 | 6.819 | HH | 401        | 6547   | 0.07%  | 0.002%  |  |
| 83 | 6.852 | 6.819 | 6.914 | HH | 11429      | 153320 | 1.52%  | 0.047%  |  |
| 84 | 6.938 | 6.914 | 6.961 | HH | 1265       | 18085  | 0.18%  | 0.005%  |  |
| 85 | 6.984 | 6.961 | 7.019 | HH | 8476       | 98640  | 0.98%  | 0.030%  |  |
| 86 | 7.033 | 7.019 | 7.078 | HH | 660        | 8987   | 0.09%  | 0.003%  |  |
| 87 | 7.158 | 7.078 | 7.193 | PH | 2435       | 23140  | 0.23%  | 0.007%  |  |
| 88 | 7.233 | 7.193 | 7.257 | PH | 46         | -1341  | -0.01% | -0.000% |  |
| 89 | 7.285 | 7.257 | 7.297 | PH | 27         | -926   | -0.01% | -0.000% |  |

|            |        |        |        |    |       |        |                |
|------------|--------|--------|--------|----|-------|--------|----------------|
| rteres.txt |        |        |        |    |       |        |                |
| 90         | 7.328  | 7.297  | 7.353  | PH | 307   | 1941   | 0.02% 0.001%   |
| 91         | 7.377  | 7.353  | 7.412  | PH | -2    | -2722  | -0.03% -0.001% |
| 92         | 7.435  | 7.412  | 7.468  | PH | 1079  | 9359   | 0.09% 0.003%   |
| 93         | 7.488  | 7.468  | 7.518  | PH | 99    | 282    | 0.00% 0.000%   |
| 94         | 7.522  | 7.518  | 7.534  | HH | 122   | 400    | 0.00% 0.000%   |
| 95         | 7.578  | 7.534  | 7.661  | PH | 6626  | 117009 | 1.16% 0.036%   |
| 96         | 7.678  | 7.661  | 7.697  | HH | 471   | 7766   | 0.08% 0.002%   |
| 97         | 7.730  | 7.697  | 7.805  | HH | 6925  | 134361 | 1.34% 0.041%   |
| 98         | 7.845  | 7.805  | 7.879  | HH | 3626  | 83999  | 0.83% 0.025%   |
| 99         | 7.943  | 7.879  | 7.960  | HH | 5881  | 98412  | 0.98% 0.030%   |
| 100        | 7.971  | 7.960  | 7.988  | HH | 3047  | 39784  | 0.40% 0.012%   |
| 101        | 8.024  | 7.988  | 8.054  | HH | 4510  | 95813  | 0.95% 0.029%   |
| 102        | 8.084  | 8.054  | 8.106  | HH | 30780 | 356892 | 3.55% 0.108%   |
| 103        | 8.124  | 8.106  | 8.160  | HH | 14460 | 210449 | 2.09% 0.064%   |
| 104        | 8.174  | 8.160  | 8.199  | HH | 2281  | 37938  | 0.38% 0.012%   |
| 105        | 8.216  | 8.199  | 8.245  | HH | 1697  | 29870  | 0.30% 0.009%   |
| 106        | 8.262  | 8.245  | 8.328  | HH | 1165  | 31372  | 0.31% 0.010%   |
| 107        | 8.417  | 8.328  | 8.453  | HH | 64479 | 717995 | 7.14% 0.218%   |
| 108        | 8.471  | 8.453  | 8.490  | HH | 3882  | 58864  | 0.59% 0.018%   |
| 109        | 8.498  | 8.490  | 8.522  | HH | 2084  | 34018  | 0.34% 0.010%   |
| 110        | 8.538  | 8.522  | 8.552  | HH | 2384  | 36366  | 0.36% 0.011%   |
| 111        | 8.560  | 8.552  | 8.588  | HH | 2092  | 30600  | 0.30% 0.009%   |
| 112        | 8.615  | 8.588  | 8.625  | HH | 1166  | 21004  | 0.21% 0.006%   |
| 113        | 8.660  | 8.625  | 8.678  | HH | 2538  | 50547  | 0.50% 0.015%   |
| 114        | 8.696  | 8.678  | 8.722  | HH | 5065  | 77040  | 0.77% 0.023%   |
| 115        | 8.751  | 8.722  | 8.776  | HH | 2853  | 68105  | 0.68% 0.021%   |
| 116        | 8.785  | 8.776  | 8.811  | HH | 1711  | 29221  | 0.29% 0.009%   |
| 117        | 8.846  | 8.811  | 8.863  | HH | 4110  | 75605  | 0.75% 0.023%   |
| 118        | 8.870  | 8.863  | 8.911  | HH | 2551  | 43518  | 0.43% 0.013%   |
| 119        | 8.933  | 8.911  | 8.958  | HH | 1688  | 33042  | 0.33% 0.010%   |
| 120        | 8.984  | 8.958  | 9.002  | HH | 2365  | 39331  | 0.39% 0.012%   |
| 121        | 9.019  | 9.002  | 9.039  | HH | 2332  | 35389  | 0.35% 0.011%   |
| 122        | 9.068  | 9.039  | 9.092  | HH | 4120  | 71899  | 0.71% 0.022%   |
| 123        | 9.121  | 9.092  | 9.140  | HH | 2354  | 51156  | 0.51% 0.016%   |
| 124        | 9.161  | 9.140  | 9.176  | HH | 3278  | 50074  | 0.50% 0.015%   |
| 125        | 9.202  | 9.176  | 9.260  | HH | 21216 | 352919 | 3.51% 0.107%   |
| 126        | 9.281  | 9.260  | 9.297  | HH | 3199  | 54089  | 0.54% 0.016%   |
| 127        | 9.349  | 9.297  | 9.372  | HH | 4685  | 130201 | 1.29% 0.040%   |
| 128        | 9.382  | 9.372  | 9.392  | HH | 2316  | 25395  | 0.25% 0.008%   |
| 129        | 9.411  | 9.392  | 9.438  | HH | 4033  | 76443  | 0.76% 0.023%   |
| 130        | 9.462  | 9.438  | 9.489  | HH | 2996  | 63213  | 0.63% 0.019%   |
| 131        | 9.521  | 9.489  | 9.599  | HH | 4802  | 162465 | 1.61% 0.049%   |
| 132        | 9.625  | 9.599  | 9.640  | HH | 6895  | 99986  | 0.99% 0.030%   |
| 133        | 9.653  | 9.640  | 9.692  | HH | 5651  | 109477 | 1.09% 0.033%   |
| 134        | 9.709  | 9.692  | 9.765  | HH | 2758  | 85563  | 0.85% 0.026%   |
| 135        | 9.793  | 9.765  | 9.813  | HH | 1850  | 46699  | 0.46% 0.014%   |
| 136        | 9.824  | 9.813  | 9.848  | HH | 1552  | 29025  | 0.29% 0.009%   |
| 137        | 9.895  | 9.848  | 9.928  | HH | 1654  | 71425  | 0.71% 0.022%   |
| 138        | 9.964  | 9.928  | 9.983  | HH | 2558  | 73196  | 0.73% 0.022%   |
| 139        | 10.008 | 9.983  | 10.030 | HH | 2868  | 70285  | 0.70% 0.021%   |
| 140        | 10.084 | 10.030 | 10.107 | HH | 5980  | 171943 | 1.71% 0.052%   |
| 141        | 10.124 | 10.107 | 10.178 | HH | 4171  | 129792 | 1.29% 0.039%   |

|     |        |        |        |    | rteres.txt |         |        |        |
|-----|--------|--------|--------|----|------------|---------|--------|--------|
| 142 | 10.202 | 10.178 | 10.230 | HH | 5317       | 115644  | 1.15%  | 0.035% |
| 143 | 10.262 | 10.230 | 10.308 | HH | 6221       | 197695  | 1.97%  | 0.060% |
| 144 | 10.335 | 10.308 | 10.344 | HH | 3875       | 75980   | 0.76%  | 0.023% |
| 145 | 10.365 | 10.344 | 10.382 | HH | 7443       | 130551  | 1.30%  | 0.040% |
| 146 | 10.405 | 10.382 | 10.488 | HH | 11887      | 361380  | 3.59%  | 0.110% |
| 147 | 10.502 | 10.488 | 10.517 | HH | 4299       | 64847   | 0.64%  | 0.020% |
| 148 | 10.532 | 10.517 | 10.551 | HH | 3838       | 72771   | 0.72%  | 0.022% |
| 149 | 10.599 | 10.551 | 10.652 | HH | 171744     | 2141300 | 21.28% | 0.650% |
| 150 | 10.674 | 10.652 | 10.703 | HH | 62455      | 788906  | 7.84%  | 0.239% |
| 151 | 10.714 | 10.703 | 10.802 | HH | 7439       | 284265  | 2.83%  | 0.086% |
| 152 | 10.816 | 10.802 | 10.843 | HH | 3745       | 85962   | 0.85%  | 0.026% |
| 153 | 10.865 | 10.843 | 10.881 | HH | 4231       | 87189   | 0.87%  | 0.026% |
| 154 | 10.903 | 10.881 | 10.971 | HH | 10023      | 293113  | 2.91%  | 0.089% |
| 155 | 10.997 | 10.971 | 11.016 | HH | 4616       | 115377  | 1.15%  | 0.035% |
| 156 | 11.035 | 11.016 | 11.044 | HH | 4881       | 76901   | 0.76%  | 0.023% |
| 157 | 11.064 | 11.044 | 11.076 | HH | 6314       | 106136  | 1.05%  | 0.032% |
| 158 | 11.092 | 11.076 | 11.108 | HH | 6353       | 111181  | 1.11%  | 0.034% |
| 159 | 11.138 | 11.108 | 11.175 | HH | 10088      | 268640  | 2.67%  | 0.082% |
| 160 | 11.203 | 11.175 | 11.232 | HH | 6092       | 181418  | 1.80%  | 0.055% |
| 161 | 11.255 | 11.232 | 11.278 | HH | 6593       | 147710  | 1.47%  | 0.045% |
| 162 | 11.304 | 11.278 | 11.321 | HH | 5832       | 133325  | 1.33%  | 0.040% |
| 163 | 11.334 | 11.321 | 11.346 | HH | 5522       | 77249   | 0.77%  | 0.023% |
| 164 | 11.402 | 11.346 | 11.417 | HH | 18925      | 375260  | 3.73%  | 0.114% |
| 165 | 11.433 | 11.417 | 11.475 | HH | 22293      | 400750  | 3.98%  | 0.122% |
| 166 | 11.513 | 11.475 | 11.534 | HH | 32350      | 561557  | 5.58%  | 0.170% |
| 167 | 11.549 | 11.534 | 11.563 | HH | 14100      | 197432  | 1.96%  | 0.060% |
| 168 | 11.580 | 11.563 | 11.632 | HH | 17571      | 378281  | 3.76%  | 0.115% |
| 169 | 11.662 | 11.632 | 11.694 | HH | 7498       | 242395  | 2.41%  | 0.074% |
| 170 | 11.732 | 11.694 | 11.750 | HH | 8527       | 237351  | 2.36%  | 0.072% |
| 171 | 11.773 | 11.750 | 11.808 | HH | 17760      | 385751  | 3.83%  | 0.117% |
| 172 | 11.835 | 11.808 | 11.851 | HH | 9255       | 218948  | 2.18%  | 0.066% |
| 173 | 11.875 | 11.851 | 11.915 | HH | 19913      | 439878  | 4.37%  | 0.134% |
| 174 | 11.934 | 11.915 | 11.955 | HH | 7829       | 180270  | 1.79%  | 0.055% |
| 175 | 11.988 | 11.955 | 12.062 | HH | 53308      | 1039971 | 10.34% | 0.316% |
| 176 | 12.076 | 12.062 | 12.091 | HH | 8271       | 139861  | 1.39%  | 0.042% |
| 177 | 12.123 | 12.091 | 12.165 | HH | 9960       | 407177  | 4.05%  | 0.124% |
| 178 | 12.194 | 12.165 | 12.233 | HH | 11043      | 380989  | 3.79%  | 0.116% |
| 179 | 12.260 | 12.233 | 12.280 | HH | 13749      | 307960  | 3.06%  | 0.093% |
| 180 | 12.301 | 12.280 | 12.319 | HH | 16551      | 307690  | 3.06%  | 0.093% |
| 181 | 12.333 | 12.319 | 12.351 | HH | 13512      | 238628  | 2.37%  | 0.072% |
| 182 | 12.368 | 12.351 | 12.388 | HH | 14070      | 271210  | 2.70%  | 0.082% |
| 183 | 12.416 | 12.388 | 12.470 | HH | 230963     | 3072195 | 30.54% | 0.933% |
| 184 | 12.487 | 12.470 | 12.506 | HH | 10381      | 208929  | 2.08%  | 0.063% |
| 185 | 12.553 | 12.506 | 12.581 | HH | 28145      | 678708  | 6.75%  | 0.206% |
| 186 | 12.600 | 12.581 | 12.621 | HH | 16048      | 317957  | 3.16%  | 0.097% |
| 187 | 12.657 | 12.621 | 12.681 | HH | 15974      | 468836  | 4.66%  | 0.142% |
| 188 | 12.712 | 12.681 | 12.742 | HH | 210351     | 2649428 | 26.34% | 0.804% |
| 189 | 12.770 | 12.742 | 12.787 | HH | 27172      | 501766  | 4.99%  | 0.152% |
| 190 | 12.803 | 12.787 | 12.845 | HH | 24034      | 544710  | 5.41%  | 0.165% |
| 191 | 12.890 | 12.845 | 12.905 | HH | 15109      | 430797  | 4.28%  | 0.131% |
| 192 | 12.922 | 12.905 | 12.954 | HH | 15615      | 381833  | 3.80%  | 0.116% |
| 193 | 12.985 | 12.954 | 13.030 | HH | 19871      | 652211  | 6.48%  | 0.198% |
| 194 | 13.060 | 13.030 | 13.092 | HH | 13850      | 466412  | 4.64%  | 0.142% |

|     |        |        |        |    |            |         |        |        |
|-----|--------|--------|--------|----|------------|---------|--------|--------|
|     |        |        |        |    | rteres.txt |         |        |        |
| 195 | 13.114 | 13.092 | 13.130 | HH | 15201      | 313370  | 3.11%  | 0.095% |
| 196 | 13.138 | 13.130 | 13.151 | HH | 13589      | 165763  | 1.65%  | 0.050% |
| 197 | 13.176 | 13.151 | 13.199 | HH | 21188      | 487405  | 4.84%  | 0.148% |
| 198 | 13.216 | 13.199 | 13.250 | HH | 17435      | 445681  | 4.43%  | 0.135% |
| 199 | 13.303 | 13.250 | 13.349 | HH | 39470      | 1185525 | 11.78% | 0.360% |
| 200 | 13.370 | 13.349 | 13.387 | HH | 15699      | 333589  | 3.32%  | 0.101% |
| 201 | 13.411 | 13.387 | 13.433 | HH | 35107      | 648665  | 6.45%  | 0.197% |
| 202 | 13.449 | 13.433 | 13.472 | HH | 24936      | 463983  | 4.61%  | 0.141% |
| 203 | 13.488 | 13.472 | 13.506 | HH | 17452      | 332448  | 3.30%  | 0.101% |
| 204 | 13.574 | 13.506 | 13.602 | HH | 25791      | 1124483 | 11.18% | 0.341% |
| 205 | 13.619 | 13.602 | 13.680 | HH | 23651      | 818705  | 8.14%  | 0.249% |
| 206 | 13.706 | 13.680 | 13.735 | HH | 15615      | 498419  | 4.95%  | 0.151% |
| 207 | 13.772 | 13.735 | 13.815 | HH | 15599      | 728777  | 7.24%  | 0.221% |
| 208 | 13.834 | 13.815 | 13.855 | HH | 15413      | 362010  | 3.60%  | 0.110% |
| 209 | 13.889 | 13.855 | 13.910 | HH | 15669      | 507721  | 5.05%  | 0.154% |
| 210 | 13.970 | 13.910 | 13.981 | HH | 18024      | 705032  | 7.01%  | 0.214% |
| 211 | 14.006 | 13.981 | 14.027 | HH | 20370      | 526647  | 5.23%  | 0.160% |
| 212 | 14.049 | 14.027 | 14.088 | HH | 22798      | 705632  | 7.01%  | 0.214% |
| 213 | 14.133 | 14.088 | 14.168 | HH | 24070      | 949766  | 9.44%  | 0.288% |
| 214 | 14.185 | 14.168 | 14.193 | HH | 18557      | 275433  | 2.74%  | 0.084% |
| 215 | 14.218 | 14.193 | 14.255 | HH | 30822      | 864324  | 8.59%  | 0.262% |
| 216 | 14.278 | 14.255 | 14.306 | HH | 42397      | 884161  | 8.79%  | 0.268% |
| 217 | 14.329 | 14.306 | 14.337 | HH | 23527      | 406315  | 4.04%  | 0.123% |
| 218 | 14.353 | 14.337 | 14.384 | HH | 26336      | 650596  | 6.47%  | 0.197% |
| 219 | 14.407 | 14.384 | 14.422 | HH | 20531      | 435509  | 4.33%  | 0.132% |
| 220 | 14.469 | 14.422 | 14.505 | HH | 143906     | 2676950 | 26.61% | 0.813% |
| 221 | 14.546 | 14.505 | 14.566 | HH | 40160      | 971620  | 9.66%  | 0.295% |
| 222 | 14.591 | 14.566 | 14.612 | HH | 98661      | 1561345 | 15.52% | 0.474% |
| 223 | 14.633 | 14.612 | 14.660 | HH | 111071     | 1719715 | 17.09% | 0.522% |
| 224 | 14.670 | 14.660 | 14.698 | HH | 26230      | 545105  | 5.42%  | 0.165% |
| 225 | 14.753 | 14.698 | 14.809 | HH | 40313      | 1741529 | 17.31% | 0.529% |
| 226 | 14.848 | 14.809 | 14.878 | HH | 24944      | 953879  | 9.48%  | 0.290% |
| 227 | 14.904 | 14.878 | 14.922 | HH | 28452      | 659651  | 6.56%  | 0.200% |
| 228 | 14.934 | 14.922 | 14.965 | HH | 25859      | 633337  | 6.30%  | 0.192% |
| 229 | 14.980 | 14.965 | 15.015 | HH | 24228      | 697575  | 6.93%  | 0.212% |
| 230 | 15.051 | 15.015 | 15.118 | HH | 58393      | 2053381 | 20.41% | 0.623% |
| 231 | 15.192 | 15.118 | 15.235 | HH | 32218      | 1834968 | 18.24% | 0.557% |
| 232 | 15.266 | 15.235 | 15.287 | HH | 41838      | 1006979 | 10.01% | 0.306% |
| 233 | 15.304 | 15.287 | 15.328 | HH | 32094      | 696643  | 6.92%  | 0.211% |
| 234 | 15.349 | 15.328 | 15.375 | HH | 29336      | 773232  | 7.69%  | 0.235% |
| 235 | 15.426 | 15.375 | 15.467 | HH | 38974      | 1737998 | 17.28% | 0.528% |
| 236 | 15.505 | 15.467 | 15.538 | HH | 31082      | 1218403 | 12.11% | 0.370% |
| 237 | 15.592 | 15.538 | 15.612 | HH | 30363      | 1234672 | 12.27% | 0.375% |
| 238 | 15.649 | 15.612 | 15.666 | HH | 31198      | 938341  | 9.33%  | 0.285% |
| 239 | 15.691 | 15.666 | 15.730 | HH | 37849      | 1229790 | 12.22% | 0.373% |
| 240 | 15.766 | 15.730 | 15.785 | HH | 28848      | 928671  | 9.23%  | 0.282% |
| 241 | 15.803 | 15.785 | 15.825 | HH | 28357      | 667432  | 6.63%  | 0.203% |
| 242 | 15.831 | 15.825 | 15.839 | HH | 28153      | 243250  | 2.42%  | 0.074% |
| 243 | 15.877 | 15.839 | 15.888 | HH | 31904      | 897477  | 8.92%  | 0.272% |
| 244 | 15.895 | 15.888 | 15.920 | HH | 31325      | 577994  | 5.75%  | 0.175% |
| 245 | 15.946 | 15.920 | 15.962 | HH | 33706      | 803903  | 7.99%  | 0.244% |
| 246 | 15.969 | 15.962 | 15.995 | HH | 33373      | 649447  | 6.46%  | 0.197% |

|     |        |        |        |    | rteres.txt |          |         |        |
|-----|--------|--------|--------|----|------------|----------|---------|--------|
| 247 | 16.014 | 15.995 | 16.025 | HH | 33397      | 589980   | 5.86%   | 0.179% |
| 248 | 16.066 | 16.025 | 16.108 | HH | 42203      | 1781668  | 17.71%  | 0.541% |
| 249 | 16.153 | 16.108 | 16.218 | HH | 128383     | 4235841  | 42.10%  | 1.286% |
| 250 | 16.284 | 16.218 | 16.307 | HH | 55036      | 2170871  | 21.58%  | 0.659% |
| 251 | 16.318 | 16.307 | 16.352 | HH | 41271      | 1047329  | 10.41%  | 0.318% |
| 252 | 16.407 | 16.352 | 16.414 | HH | 40509      | 1444392  | 14.36%  | 0.438% |
| 253 | 16.474 | 16.414 | 16.503 | HH | 104902     | 3099026  | 30.80%  | 0.941% |
| 254 | 16.532 | 16.503 | 16.578 | HH | 121082     | 2834330  | 28.17%  | 0.860% |
| 255 | 16.637 | 16.578 | 16.672 | HH | 67367      | 2747227  | 27.31%  | 0.834% |
| 256 | 16.686 | 16.672 | 16.702 | HH | 49520      | 850806   | 8.46%   | 0.258% |
| 257 | 16.718 | 16.702 | 16.744 | HH | 47827      | 1167610  | 11.61%  | 0.354% |
| 258 | 16.792 | 16.744 | 16.802 | HH | 45417      | 1546931  | 15.38%  | 0.470% |
| 259 | 16.812 | 16.802 | 16.824 | HH | 45374      | 584420   | 5.81%   | 0.177% |
| 260 | 16.866 | 16.824 | 16.882 | HH | 50588      | 1669555  | 16.60%  | 0.507% |
| 261 | 16.904 | 16.882 | 16.928 | HH | 53925      | 1465416  | 14.57%  | 0.445% |
| 262 | 16.938 | 16.928 | 16.978 | HH | 53861      | 1547440  | 15.38%  | 0.470% |
| 263 | 17.029 | 16.978 | 17.070 | HH | 59775      | 2990465  | 29.73%  | 0.908% |
| 264 | 17.093 | 17.070 | 17.135 | HH | 64463      | 2212607  | 21.99%  | 0.672% |
| 265 | 17.150 | 17.135 | 17.166 | HH | 52871      | 963572   | 9.58%   | 0.292% |
| 266 | 17.191 | 17.166 | 17.222 | HH | 60184      | 1828249  | 18.17%  | 0.555% |
| 267 | 17.245 | 17.222 | 17.286 | HH | 51970      | 1964118  | 19.52%  | 0.596% |
| 268 | 17.311 | 17.286 | 17.332 | HH | 53514      | 1434793  | 14.26%  | 0.436% |
| 269 | 17.369 | 17.332 | 17.388 | HH | 54065      | 1772169  | 17.62%  | 0.538% |
| 270 | 17.416 | 17.388 | 17.442 | HH | 57213      | 1791569  | 17.81%  | 0.544% |
| 271 | 17.452 | 17.442 | 17.462 | HH | 55924      | 637521   | 6.34%   | 0.194% |
| 272 | 17.524 | 17.462 | 17.572 | HH | 63885      | 3828217  | 38.05%  | 1.162% |
| 273 | 17.618 | 17.572 | 17.637 | HH | 73094      | 2352604  | 23.39%  | 0.714% |
| 274 | 17.654 | 17.637 | 17.669 | HH | 69833      | 1278923  | 12.71%  | 0.388% |
| 275 | 17.683 | 17.669 | 17.737 | HH | 64649      | 2523423  | 25.08%  | 0.766% |
| 276 | 17.758 | 17.737 | 17.778 | HH | 59303      | 1437107  | 14.28%  | 0.436% |
| 277 | 17.817 | 17.778 | 17.862 | HH | 72007      | 3203559  | 31.84%  | 0.972% |
| 278 | 17.907 | 17.862 | 17.934 | HH | 120728     | 3836999  | 38.14%  | 1.165% |
| 279 | 17.951 | 17.934 | 17.977 | HH | 77652      | 1823404  | 18.12%  | 0.553% |
| 280 | 17.993 | 17.977 | 18.005 | HH | 66710      | 1098983  | 10.92%  | 0.334% |
| 281 | 18.037 | 18.005 | 18.059 | HH | 77187      | 2386695  | 23.72%  | 0.724% |
| 282 | 18.072 | 18.059 | 18.127 | HH | 72472      | 2709655  | 26.93%  | 0.823% |
| 283 | 18.163 | 18.127 | 18.195 | HH | 115915     | 3201782  | 31.83%  | 0.972% |
| 284 | 18.210 | 18.195 | 18.218 | HH | 64690      | 889385   | 8.84%   | 0.270% |
| 285 | 18.247 | 18.218 | 18.265 | HH | 70411      | 1896872  | 18.86%  | 0.576% |
| 286 | 18.297 | 18.265 | 18.328 | HH | 85208      | 2775975  | 27.59%  | 0.843% |
| 287 | 18.354 | 18.328 | 18.395 | HH | 76237      | 2740315  | 27.24%  | 0.832% |
| 288 | 18.399 | 18.395 | 18.408 | HH | 65468      | 516145   | 5.13%   | 0.157% |
| 289 | 18.458 | 18.408 | 18.480 | HH | 77279      | 3055337  | 30.37%  | 0.927% |
| 290 | 18.492 | 18.480 | 18.536 | HH | 74532      | 2388604  | 23.74%  | 0.725% |
| 291 | 18.598 | 18.536 | 18.658 | HH | 72223      | 5121619  | 50.91%  | 1.555% |
| 292 | 18.712 | 18.658 | 18.743 | HH | 90441      | 4054234  | 40.30%  | 1.231% |
| 293 | 18.770 | 18.743 | 18.800 | HH | 81734      | 2662398  | 26.46%  | 0.808% |
| 294 | 18.849 | 18.800 | 18.905 | HH | 83983      | 4926543  | 48.97%  | 1.495% |
| 295 | 18.923 | 18.905 | 18.936 | HH | 76355      | 1426233  | 14.18%  | 0.433% |
| 296 | 18.969 | 18.936 | 19.039 | HH | 78870      | 4746015  | 47.18%  | 1.441% |
| 297 | 19.162 | 19.039 | 19.233 | HH | 97243      | 10060270 | 100.00% | 3.054% |
| 298 | 19.247 | 19.233 | 19.294 | HH | 90414      | 3164387  | 31.45%  | 0.961% |
| 299 | 19.327 | 19.294 | 19.362 | HH | 99153      | 3706782  | 36.85%  | 1.125% |

|     |        |        |                         |     |            |           |        |        |
|-----|--------|--------|-------------------------|-----|------------|-----------|--------|--------|
|     |        |        |                         |     | rteres.txt |           |        |        |
| 300 | 19.397 | 19.362 | 19.435                  | HH  | 103736     | 4039133   | 40.15% | 1.226% |
| 301 | 19.480 | 19.435 | 19.554                  | HH  | 94322      | 6416924   | 63.78% | 1.948% |
| 302 | 19.610 | 19.554 | 19.657                  | HH  | 96794      | 5744421   | 57.10% | 1.744% |
| 303 | 19.708 | 19.657 | 19.749                  | HH  | 116031     | 5459151   | 54.26% | 1.657% |
| 304 | 19.777 | 19.749 | 19.799                  | HH  | 102123     | 2943024   | 29.25% | 0.893% |
| 305 | 19.812 | 19.799 | 19.831                  | HH  | 95665      | 1813353   | 18.02% | 0.550% |
| 306 | 19.851 | 19.831 | 19.874                  | HH  | 97211      | 2449119   | 24.34% | 0.743% |
| 307 | 19.886 | 19.874 | 19.914                  | HH  | 94961      | 2281596   | 22.68% | 0.693% |
| 308 | 19.944 | 19.914 | 19.961                  | HH  | 99274      | 2688129   | 26.72% | 0.816% |
| 309 | 19.973 | 19.961 | 19.985                  | HH  | 97572      | 1384833   | 13.77% | 0.420% |
| 310 | 19.996 | 19.985 | 20.004                  | HH  | 98504      | 1095025   | 10.88% | 0.332% |
| 311 | 20.048 | 20.004 | 20.072                  | HH  | 110908     | 4276189   | 42.51% | 1.298% |
| 312 | 20.095 | 20.072 | 20.161                  | HH  | 107934     | 5656965   | 56.23% | 1.717% |
| 313 | 20.247 | 20.161 | 20.318                  | HH  | 106856     | 9802532   | 97.44% | 2.976% |
| 314 | 20.358 | 20.318 | 20.412                  | HH  | 110371     | 6043880   | 60.08% | 1.835% |
| 315 | 20.423 | 20.412 | 20.436                  | HH  | 106570     | 1537148   | 15.28% | 0.467% |
| 316 | 20.459 | 20.436 | 20.487                  | HH  | 107181     | 3264894   | 32.45% | 0.991% |
| 317 | 20.497 | 20.487 | 20.523                  | HH  | 104683     | 2252428   | 22.39% | 0.684% |
| 318 | 20.541 | 20.523 | 20.561                  | HH  | 105024     | 2360325   | 23.46% | 0.716% |
| 319 | 20.578 | 20.561 | 20.605                  | HH  | 104813     | 2715244   | 26.99% | 0.824% |
| 320 | 20.611 | 20.605 | 20.648                  | HH  | 105286     | 2644628   | 26.29% | 0.803% |
| 321 | 20.711 | 20.648 | 20.759                  | HH  | 103918     | 6819190   | 67.78% | 2.070% |
| 322 | 20.790 | 20.759 | 20.858                  | HH  | 101750     | 5931613   | 58.96% | 1.801% |
| 323 | 20.885 | 20.858 | 20.931                  | HH  | 100146     | 4317125   | 42.91% | 1.310% |
| 324 | 20.993 | 20.931 | 21.014                  | HH  | 102442     | 4978446   | 49.49% | 1.511% |
| 325 | 21.067 | 21.014 | 21.121                  | HH  | 107056     | 6577062   | 65.38% | 1.996% |
| 326 | 21.139 | 21.121 | 21.168                  | HH  | 99006      | 2761147   | 27.45% | 0.838% |
| 327 | 21.173 | 21.168 | 21.211                  | HH  | 96753      | 2439164   | 24.25% | 0.740% |
| 328 | 21.228 | 21.211 | 21.237                  | HH  | 96584      | 1517965   | 15.09% | 0.461% |
| 329 | 21.265 | 21.237 | 21.309                  | HH  | 99602      | 4190582   | 41.65% | 1.272% |
| 330 | 21.346 | 21.309 | 21.385                  | HH  | 100757     | 4409498   | 43.83% | 1.338% |
| 331 | 21.425 | 21.385 | 21.502                  | HHA | 101691     | 6853702   | 68.13% | 2.080% |
|     |        |        | Sum of corrected areas: |     |            | 329436065 |        |        |

FG073018.M Wed Aug 01 08:14:26 2018