

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF071619\  
 Data File : FF005070.D  
 Signal(s) : FID2B.ch  
 Acq On : 16 Jul 2019 13:24  
 Sample : K3620-09 2X  
 Misc :  
 ALS Vial : 61 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\FF062619.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         | 4.394       | 4.362        | 4.415      | BH       | 498            | 6574         | 0.20%          | 0.009%        |
| 2         | 4.419       | 4.415        | 4.423      | HH       | 161            | 614          | 0.02%          | 0.001%        |
| 3         | 4.437       | 4.423        | 4.450      | HH       | 386            | 4095         | 0.12%          | 0.006%        |
| 4         | 4.461       | 4.450        | 4.477      | HH       | 318            | 3526         | 0.11%          | 0.005%        |
| 5         | 4.488       | 4.477        | 4.521      | HH       | 295            | 4659         | 0.14%          | 0.007%        |
| 6         | 4.540       | 4.521        | 4.580      | HH       | 699            | 8577         | 0.26%          | 0.012%        |
| 7         | 4.612       | 4.580        | 4.670      | HH       | 1230           | 24487        | 0.75%          | 0.034%        |
| 8         | 4.675       | 4.670        | 4.720      | HH       | 296            | 3841         | 0.12%          | 0.005%        |
| 9         | 4.724       | 4.720        | 4.750      | HH       | 150            | 1774         | 0.05%          | 0.002%        |
| 10        | 4.751       | 4.750        | 4.759      | HH       | 127            | 160          | 0.00%          | 0.000%        |
| 11        | 4.774       | 4.759        | 4.791      | PH       | 147            | 421          | 0.01%          | 0.001%        |
| 12        | 4.802       | 4.791        | 4.832      | PH       | 58             | -500         | -0.02%         | -0.001%       |
| 13        | 4.848       | 4.832        | 4.864      | PH       | 25             | -1013        | -0.03%         | -0.001%       |
| 14        | 4.868       | 4.864        | 4.884      | PH       | -1             | -986         | -0.03%         | -0.001%       |
| 15        | 4.891       | 4.884        | 4.905      | PH       | -72            | -1580        | -0.05%         | -0.002%       |
| 16        | 4.911       | 4.905        | 4.915      | PH       | -126           | -950         | -0.03%         | -0.001%       |
| 17        | 4.923       | 4.915        | 4.932      | PH       | -78            | -1566        | -0.05%         | -0.002%       |
| 18        | 4.945       | 4.932        | 4.963      | PH       | -18            | -1654        | -0.05%         | -0.002%       |
| 19        | 4.967       | 4.963        | 4.975      | PH       | -37            | -564         | -0.02%         | -0.001%       |
| 20        | 4.986       | 4.975        | 5.010      | PH       | -4             | -1892        | -0.06%         | -0.003%       |
| 21        | 5.026       | 5.010        | 5.044      | PH       | -26            | -1587        | -0.05%         | -0.002%       |
| 22        | 5.049       | 5.044        | 5.067      | PH       | -57            | -1883        | -0.06%         | -0.003%       |
| 23        | 5.088       | 5.067        | 5.104      | PH       | -26            | -2758        | -0.08%         | -0.004%       |
| 24        | 5.116       | 5.104        | 5.123      | PH       | -66            | -1590        | -0.05%         | -0.002%       |
| 25        | 5.131       | 5.123        | 5.167      | PH       | -37            | -4082        | -0.12%         | -0.006%       |
| 26        | 5.170       | 5.167        | 5.187      | PH       | -191           | -2718        | -0.08%         | -0.004%       |
| 27        | 5.200       | 5.187        | 5.223      | PH       | -62            | -2897        | -0.09%         | -0.004%       |
| 28        | 5.227       | 5.223        | 5.234      | PH       | -101           | -943         | -0.03%         | -0.001%       |
| 29        | 5.252       | 5.234        | 5.271      | PH       | 530            | 3781         | 0.12%          | 0.005%        |
| 30        | 5.277       | 5.271        | 5.293      | PH       | -35            | -1209        | -0.04%         | -0.002%       |
| 31        | 5.300       | 5.293        | 5.311      | PH       | 18             | -1009        | -0.03%         | -0.001%       |
| 32        | 5.317       | 5.311        | 5.341      | PH       | -5             | -2417        | -0.07%         | -0.003%       |
| 33        | 5.356       | 5.341        | 5.365      | PH       | -179           | -2889        | -0.09%         | -0.004%       |
| 34        | 5.368       | 5.365        | 5.371      | PH       | -120           | -507         | -0.02%         | -0.001%       |
| 35        | 5.376       | 5.371        | 5.399      | PH       | -39            | -2306        | -0.07%         | -0.003%       |
| 36        | 5.437       | 5.399        | 5.450      | PH       | 183            | -2445        | -0.07%         | -0.003%       |

|    |       |       |       |    | rteres.txt |       |        |         |
|----|-------|-------|-------|----|------------|-------|--------|---------|
| 37 | 5.463 | 5.450 | 5.469 | PH | 13         | 18    | 0.00%  | 0.000%  |
| 38 | 5.486 | 5.469 | 5.512 | PH | 679        | 5333  | 0.16%  | 0.007%  |
| 39 | 5.517 | 5.512 | 5.533 | PH | -72        | -1517 | -0.05% | -0.002% |
| 40 | 5.539 | 5.533 | 5.550 | PH | -45        | -902  | -0.03% | -0.001% |
| 41 | 5.556 | 5.550 | 5.582 | PH | -105       | -3256 | -0.10% | -0.005% |
| 42 | 5.586 | 5.582 | 5.602 | PH | -117       | -2104 | -0.06% | -0.003% |
| 43 | 5.618 | 5.602 | 5.630 | PH | -23        | -1562 | -0.05% | -0.002% |
| 44 | 5.633 | 5.630 | 5.643 | PH | -114       | -1113 | -0.03% | -0.002% |
| 45 | 5.660 | 5.643 | 5.665 | PH | -69        | -2101 | -0.06% | -0.003% |
| 46 | 5.672 | 5.665 | 5.679 | PH | -76        | -1166 | -0.04% | -0.002% |
| 47 | 5.703 | 5.679 | 5.723 | PH | 365        | 3629  | 0.11%  | 0.005%  |
| 48 | 5.738 | 5.723 | 5.794 | HH | 535        | 9675  | 0.29%  | 0.014%  |
| 49 | 5.799 | 5.794 | 5.820 | PH | -7         | -1147 | -0.03% | -0.002% |
| 50 | 5.828 | 5.820 | 5.864 | PH | 22         | -1375 | -0.04% | -0.002% |
| 51 | 5.889 | 5.864 | 5.908 | PH | 90         | -1996 | -0.06% | -0.003% |
| 52 | 5.930 | 5.908 | 5.943 | PH | -16        | -2034 | -0.06% | -0.003% |
| 53 | 5.946 | 5.943 | 5.960 | PH | -63        | -1130 | -0.03% | -0.002% |
| 54 | 5.986 | 5.960 | 6.057 | PH | 1600       | 17333 | 0.53%  | 0.024%  |
| 55 | 6.079 | 6.057 | 6.094 | PH | 7          | -609  | -0.02% | -0.001% |
| 56 | 6.099 | 6.094 | 6.105 | PH | -59        | -428  | -0.01% | -0.001% |
| 57 | 6.132 | 6.105 | 6.156 | PH | 290        | 2800  | 0.09%  | 0.004%  |
| 58 | 6.161 | 6.156 | 6.184 | PH | 78         | 13    | 0.00%  | 0.000%  |
| 59 | 6.187 | 6.184 | 6.237 | PH | 46         | -1110 | -0.03% | -0.002% |
| 60 | 6.261 | 6.237 | 6.292 | PH | 743        | 7992  | 0.24%  | 0.011%  |
| 61 | 6.298 | 6.292 | 6.317 | PH | 153        | 1194  | 0.04%  | 0.002%  |
| 62 | 6.321 | 6.317 | 6.323 | HH | 110        | 325   | 0.01%  | 0.000%  |
| 63 | 6.369 | 6.323 | 6.379 | HH | 287        | 5427  | 0.17%  | 0.008%  |
| 64 | 6.388 | 6.379 | 6.401 | HH | 261        | 2883  | 0.09%  | 0.004%  |
| 65 | 6.417 | 6.401 | 6.469 | HH | 517        | 8902  | 0.27%  | 0.013%  |
| 66 | 6.476 | 6.469 | 6.480 | PH | 0          | -161  | -0.00% | -0.000% |
| 67 | 6.485 | 6.480 | 6.503 | PH | 82         | -475  | -0.01% | -0.001% |
| 68 | 6.510 | 6.503 | 6.515 | PH | -65        | -759  | -0.02% | -0.001% |
| 69 | 6.541 | 6.515 | 6.554 | PH | 53         | -1006 | -0.03% | -0.001% |
| 70 | 6.570 | 6.554 | 6.591 | PH | 159        | 837   | 0.03%  | 0.001%  |
| 71 | 6.615 | 6.591 | 6.632 | PH | 71         | -518  | -0.02% | -0.001% |
| 72 | 6.639 | 6.632 | 6.657 | PH | -43        | -1614 | -0.05% | -0.002% |
| 73 | 6.667 | 6.657 | 6.674 | PH | -1         | -667  | -0.02% | -0.001% |
| 74 | 6.689 | 6.674 | 6.710 | PH | 64         | -723  | -0.02% | -0.001% |
| 75 | 6.737 | 6.710 | 6.762 | PH | 288        | 1591  | 0.05%  | 0.002%  |
| 76 | 6.767 | 6.762 | 6.780 | HH | 82         | 256   | 0.01%  | 0.000%  |
| 77 | 6.787 | 6.780 | 6.800 | PH | 82         | 628   | 0.02%  | 0.001%  |
| 78 | 6.818 | 6.800 | 6.845 | PH | 292        | 3499  | 0.11%  | 0.005%  |
| 79 | 6.852 | 6.845 | 6.859 | PH | 133        | 630   | 0.02%  | 0.001%  |
| 80 | 6.883 | 6.859 | 6.907 | HH | 405        | 6956  | 0.21%  | 0.010%  |
| 81 | 6.944 | 6.907 | 6.961 | HH | 553        | 11447 | 0.35%  | 0.016%  |
| 82 | 6.967 | 6.961 | 6.990 | HH | 368        | 5290  | 0.16%  | 0.007%  |
| 83 | 6.993 | 6.990 | 7.000 | HH | 288        | 1521  | 0.05%  | 0.002%  |
| 84 | 7.041 | 7.000 | 7.104 | HH | 2743       | 45947 | 1.40%  | 0.065%  |
| 85 | 7.116 | 7.104 | 7.153 | HH | 309        | 5758  | 0.18%  | 0.008%  |
| 86 | 7.175 | 7.153 | 7.198 | HH | 3181       | 34052 | 1.04%  | 0.048%  |
| 87 | 7.211 | 7.198 | 7.233 | HH | 523        | 7490  | 0.23%  | 0.011%  |
| 88 | 7.239 | 7.233 | 7.260 | HH | 293        | 2766  | 0.08%  | 0.004%  |
| 89 | 7.267 | 7.260 | 7.279 | HH | 186        | 1226  | 0.04%  | 0.002%  |

|     |       |       |       |    |            |        |       |        |
|-----|-------|-------|-------|----|------------|--------|-------|--------|
|     |       |       |       |    | rteres.txt |        |       |        |
| 90  | 7.294 | 7.279 | 7.306 | HH | 257        | 2862   | 0.09% | 0.004% |
| 91  | 7.344 | 7.306 | 7.382 | HH | 985        | 23531  | 0.72% | 0.033% |
| 92  | 7.387 | 7.382 | 7.392 | HH | 267        | 1381   | 0.04% | 0.002% |
| 93  | 7.398 | 7.392 | 7.424 | HH | 227        | 3307   | 0.10% | 0.005% |
| 94  | 7.430 | 7.424 | 7.444 | HH | 138        | 979    | 0.03% | 0.001% |
| 95  | 7.450 | 7.444 | 7.479 | HH | 140        | 2268   | 0.07% | 0.003% |
| 96  | 7.484 | 7.479 | 7.490 | HH | 94         | 399    | 0.01% | 0.001% |
| 97  | 7.496 | 7.490 | 7.499 | HH | 158        | 660    | 0.02% | 0.001% |
| 98  | 7.512 | 7.499 | 7.539 | HH | 275        | 3096   | 0.09% | 0.004% |
| 99  | 7.567 | 7.539 | 7.607 | PH | 198        | 3197   | 0.10% | 0.004% |
| 100 | 7.625 | 7.607 | 7.654 | HH | 550        | 7307   | 0.22% | 0.010% |
| 101 | 7.658 | 7.654 | 7.662 | HH | 187        | 531    | 0.02% | 0.001% |
| 102 | 7.672 | 7.662 | 7.689 | HH | 157        | 1495   | 0.05% | 0.002% |
| 103 | 7.692 | 7.689 | 7.711 | HH | 155        | 1546   | 0.05% | 0.002% |
| 104 | 7.767 | 7.711 | 7.775 | HH | 677        | 15987  | 0.49% | 0.022% |
| 105 | 7.789 | 7.775 | 7.831 | HH | 737        | 14802  | 0.45% | 0.021% |
| 106 | 7.837 | 7.831 | 7.844 | HH | 196        | 1177   | 0.04% | 0.002% |
| 107 | 7.862 | 7.844 | 7.882 | HH | 327        | 5337   | 0.16% | 0.008% |
| 108 | 7.923 | 7.882 | 7.967 | HH | 927        | 28958  | 0.88% | 0.041% |
| 109 | 7.978 | 7.967 | 7.984 | HH | 609        | 5676   | 0.17% | 0.008% |
| 110 | 7.990 | 7.984 | 8.000 | HH | 613        | 5495   | 0.17% | 0.008% |
| 111 | 8.035 | 8.000 | 8.075 | HH | 1974       | 50284  | 1.53% | 0.071% |
| 112 | 8.104 | 8.075 | 8.113 | HH | 973        | 17189  | 0.52% | 0.024% |
| 113 | 8.138 | 8.113 | 8.153 | HH | 4844       | 60393  | 1.84% | 0.085% |
| 114 | 8.166 | 8.153 | 8.181 | HH | 3243       | 39718  | 1.21% | 0.056% |
| 115 | 8.197 | 8.181 | 8.244 | HH | 2875       | 68000  | 2.07% | 0.096% |
| 116 | 8.268 | 8.244 | 8.300 | HH | 19083      | 231231 | 7.04% | 0.325% |
| 117 | 8.322 | 8.300 | 8.361 | HH | 11870      | 178213 | 5.43% | 0.250% |
| 118 | 8.371 | 8.361 | 8.395 | HH | 1416       | 23987  | 0.73% | 0.034% |
| 119 | 8.412 | 8.395 | 8.482 | HH | 1873       | 50134  | 1.53% | 0.070% |
| 120 | 8.487 | 8.482 | 8.510 | HH | 672        | 8755   | 0.27% | 0.012% |
| 121 | 8.571 | 8.510 | 8.595 | HH | 946        | 34183  | 1.04% | 0.048% |
| 122 | 8.617 | 8.595 | 8.642 | HH | 3115       | 47953  | 1.46% | 0.067% |
| 123 | 8.677 | 8.642 | 8.723 | HH | 2235       | 68935  | 2.10% | 0.097% |
| 124 | 8.734 | 8.723 | 8.769 | HH | 1290       | 29649  | 0.90% | 0.042% |
| 125 | 8.804 | 8.769 | 8.824 | HH | 1075       | 30142  | 0.92% | 0.042% |
| 126 | 8.856 | 8.824 | 8.875 | HH | 2024       | 40139  | 1.22% | 0.056% |
| 127 | 8.892 | 8.875 | 8.910 | HH | 1763       | 26817  | 0.82% | 0.038% |
| 128 | 8.931 | 8.910 | 9.007 | HH | 2990       | 94291  | 2.87% | 0.133% |
| 129 | 9.030 | 9.007 | 9.050 | HH | 3627       | 56310  | 1.71% | 0.079% |
| 130 | 9.067 | 9.050 | 9.105 | HH | 3498       | 60146  | 1.83% | 0.085% |
| 131 | 9.127 | 9.105 | 9.154 | HH | 1682       | 35205  | 1.07% | 0.049% |
| 132 | 9.184 | 9.154 | 9.201 | HH | 3578       | 55514  | 1.69% | 0.078% |
| 133 | 9.216 | 9.201 | 9.234 | HH | 2684       | 36542  | 1.11% | 0.051% |
| 134 | 9.243 | 9.234 | 9.247 | HH | 1328       | 10060  | 0.31% | 0.014% |
| 135 | 9.267 | 9.247 | 9.285 | HH | 2823       | 44125  | 1.34% | 0.062% |
| 136 | 9.299 | 9.285 | 9.303 | HH | 1690       | 16094  | 0.49% | 0.023% |
| 137 | 9.321 | 9.303 | 9.342 | HH | 2924       | 46411  | 1.41% | 0.065% |
| 138 | 9.362 | 9.342 | 9.383 | HH | 3244       | 51813  | 1.58% | 0.073% |
| 139 | 9.404 | 9.383 | 9.462 | HH | 5459       | 133645 | 4.07% | 0.188% |
| 140 | 9.481 | 9.462 | 9.500 | HH | 3028       | 52057  | 1.59% | 0.073% |
| 141 | 9.503 | 9.500 | 9.512 | HH | 1918       | 12467  | 0.38% | 0.018% |

|     |        |        |        |    | rteres.txt |        |        |        |  |
|-----|--------|--------|--------|----|------------|--------|--------|--------|--|
| 142 | 9.548  | 9.512  | 9.569  | HH | 3890       | 84706  | 2.58%  | 0.119% |  |
| 143 | 9.582  | 9.569  | 9.599  | HH | 2193       | 34002  | 1.04%  | 0.048% |  |
| 144 | 9.611  | 9.599  | 9.629  | HH | 2327       | 34967  | 1.06%  | 0.049% |  |
| 145 | 9.664  | 9.629  | 9.700  | HH | 2736       | 82707  | 2.52%  | 0.116% |  |
| 146 | 9.725  | 9.700  | 9.765  | HH | 2792       | 78148  | 2.38%  | 0.110% |  |
| 147 | 9.774  | 9.765  | 9.790  | HH | 1833       | 24949  | 0.76%  | 0.035% |  |
| 148 | 9.813  | 9.790  | 9.874  | HH | 3720       | 111822 | 3.41%  | 0.157% |  |
| 149 | 9.887  | 9.874  | 9.901  | HH | 1661       | 24862  | 0.76%  | 0.035% |  |
| 150 | 9.920  | 9.901  | 9.944  | HH | 1852       | 39334  | 1.20%  | 0.055% |  |
| 151 | 9.983  | 9.944  | 10.013 | HH | 1987       | 63300  | 1.93%  | 0.089% |  |
| 152 | 10.023 | 10.013 | 10.042 | HH | 1370       | 21312  | 0.65%  | 0.030% |  |
| 153 | 10.064 | 10.042 | 10.080 | HH | 1391       | 29320  | 0.89%  | 0.041% |  |
| 154 | 10.092 | 10.080 | 10.100 | HH | 1475       | 16562  | 0.50%  | 0.023% |  |
| 155 | 10.114 | 10.100 | 10.130 | HH | 1522       | 24989  | 0.76%  | 0.035% |  |
| 156 | 10.150 | 10.130 | 10.181 | HH | 2333       | 54584  | 1.66%  | 0.077% |  |
| 157 | 10.201 | 10.181 | 10.221 | HH | 1955       | 40983  | 1.25%  | 0.058% |  |
| 158 | 10.257 | 10.221 | 10.267 | HH | 3493       | 68000  | 2.07%  | 0.096% |  |
| 159 | 10.287 | 10.267 | 10.309 | HH | 5666       | 97775  | 2.98%  | 0.137% |  |
| 160 | 10.327 | 10.309 | 10.364 | HH | 4428       | 94090  | 2.87%  | 0.132% |  |
| 161 | 10.404 | 10.364 | 10.439 | HH | 4949       | 132488 | 4.03%  | 0.186% |  |
| 162 | 10.462 | 10.439 | 10.492 | HH | 3616       | 93364  | 2.84%  | 0.131% |  |
| 163 | 10.504 | 10.492 | 10.517 | HH | 2845       | 39346  | 1.20%  | 0.055% |  |
| 164 | 10.527 | 10.517 | 10.532 | HH | 2610       | 22525  | 0.69%  | 0.032% |  |
| 165 | 10.553 | 10.532 | 10.562 | HH | 3838       | 61460  | 1.87%  | 0.086% |  |
| 166 | 10.573 | 10.562 | 10.590 | HH | 4247       | 58611  | 1.78%  | 0.082% |  |
| 167 | 10.611 | 10.590 | 10.644 | HH | 4682       | 112288 | 3.42%  | 0.158% |  |
| 168 | 10.650 | 10.644 | 10.666 | HH | 2574       | 32800  | 1.00%  | 0.046% |  |
| 169 | 10.683 | 10.666 | 10.693 | HH | 2807       | 40879  | 1.24%  | 0.057% |  |
| 170 | 10.703 | 10.693 | 10.724 | HH | 2733       | 45222  | 1.38%  | 0.064% |  |
| 171 | 10.741 | 10.724 | 10.755 | HH | 2357       | 41213  | 1.26%  | 0.058% |  |
| 172 | 10.775 | 10.755 | 10.784 | HH | 2767       | 40649  | 1.24%  | 0.057% |  |
| 173 | 10.808 | 10.784 | 10.859 | HH | 37516      | 506463 | 15.42% | 0.712% |  |
| 174 | 10.884 | 10.859 | 10.961 | HH | 15960      | 328825 | 10.01% | 0.462% |  |
| 175 | 10.980 | 10.961 | 11.014 | HH | 2653       | 77509  | 2.36%  | 0.109% |  |
| 176 | 11.024 | 11.014 | 11.043 | HH | 2397       | 39688  | 1.21%  | 0.056% |  |
| 177 | 11.063 | 11.043 | 11.084 | HH | 2436       | 54335  | 1.65%  | 0.076% |  |
| 178 | 11.114 | 11.084 | 11.139 | HH | 4236       | 107397 | 3.27%  | 0.151% |  |
| 179 | 11.171 | 11.139 | 11.185 | HH | 3449       | 85528  | 2.60%  | 0.120% |  |
| 180 | 11.202 | 11.185 | 11.223 | HH | 3756       | 76542  | 2.33%  | 0.108% |  |
| 181 | 11.237 | 11.223 | 11.243 | HH | 3312       | 38622  | 1.18%  | 0.054% |  |
| 182 | 11.257 | 11.243 | 11.271 | HH | 4196       | 62790  | 1.91%  | 0.088% |  |
| 183 | 11.299 | 11.271 | 11.311 | HH | 3960       | 88009  | 2.68%  | 0.124% |  |
| 184 | 11.336 | 11.311 | 11.377 | HH | 7338       | 184720 | 5.63%  | 0.260% |  |
| 185 | 11.407 | 11.377 | 11.434 | HH | 4399       | 114650 | 3.49%  | 0.161% |  |
| 186 | 11.463 | 11.434 | 11.483 | HH | 5592       | 121591 | 3.70%  | 0.171% |  |
| 187 | 11.503 | 11.483 | 11.554 | HH | 4558       | 152602 | 4.65%  | 0.214% |  |
| 188 | 11.566 | 11.554 | 11.582 | HH | 3380       | 53827  | 1.64%  | 0.076% |  |
| 189 | 11.613 | 11.582 | 11.628 | HH | 15633      | 234090 | 7.13%  | 0.329% |  |
| 190 | 11.644 | 11.628 | 11.685 | HH | 18386      | 291399 | 8.87%  | 0.410% |  |
| 191 | 11.728 | 11.685 | 11.745 | HH | 15047      | 311392 | 9.48%  | 0.438% |  |
| 192 | 11.761 | 11.745 | 11.776 | HH | 14049      | 189988 | 5.79%  | 0.267% |  |
| 193 | 11.793 | 11.776 | 11.840 | HH | 17192      | 307812 | 9.37%  | 0.433% |  |
| 194 | 11.867 | 11.840 | 11.889 | HH | 4146       | 108047 | 3.29%  | 0.152% |  |

|     |        |        |        |    |            |         |        |        |
|-----|--------|--------|--------|----|------------|---------|--------|--------|
|     |        |        |        |    | rteres.txt |         |        |        |
| 195 | 11.930 | 11.889 | 11.960 | HH | 4960       | 181082  | 5.51%  | 0.254% |
| 196 | 11.980 | 11.960 | 11.993 | HH | 5861       | 100170  | 3.05%  | 0.141% |
| 197 | 12.018 | 11.993 | 12.047 | HH | 6037       | 167366  | 5.10%  | 0.235% |
| 198 | 12.053 | 12.047 | 12.063 | HH | 4133       | 39562   | 1.20%  | 0.056% |
| 199 | 12.086 | 12.063 | 12.107 | HH | 8929       | 169935  | 5.18%  | 0.239% |
| 200 | 12.112 | 12.107 | 12.130 | HH | 5398       | 69475   | 2.12%  | 0.098% |
| 201 | 12.150 | 12.130 | 12.157 | HH | 6073       | 90992   | 2.77%  | 0.128% |
| 202 | 12.176 | 12.157 | 12.212 | HH | 18092      | 305579  | 9.31%  | 0.429% |
| 203 | 12.231 | 12.212 | 12.250 | HH | 5483       | 114623  | 3.49%  | 0.161% |
| 204 | 12.264 | 12.250 | 12.279 | HH | 5365       | 85591   | 2.61%  | 0.120% |
| 205 | 12.294 | 12.279 | 12.310 | HH | 5733       | 101120  | 3.08%  | 0.142% |
| 206 | 12.340 | 12.310 | 12.348 | HH | 5819       | 126109  | 3.84%  | 0.177% |
| 207 | 12.362 | 12.348 | 12.387 | HH | 6424       | 132978  | 4.05%  | 0.187% |
| 208 | 12.407 | 12.387 | 12.449 | HH | 9160       | 245092  | 7.46%  | 0.344% |
| 209 | 12.471 | 12.449 | 12.495 | HH | 7864       | 181209  | 5.52%  | 0.255% |
| 210 | 12.516 | 12.495 | 12.535 | HH | 19929      | 309207  | 9.42%  | 0.435% |
| 211 | 12.551 | 12.535 | 12.565 | HH | 11395      | 181995  | 5.54%  | 0.256% |
| 212 | 12.577 | 12.565 | 12.597 | HH | 11087      | 180078  | 5.48%  | 0.253% |
| 213 | 12.633 | 12.597 | 12.707 | HH | 73803      | 1193950 | 36.36% | 1.678% |
| 214 | 12.730 | 12.707 | 12.746 | HH | 6803       | 142555  | 4.34%  | 0.200% |
| 215 | 12.771 | 12.746 | 12.784 | HH | 10510      | 194440  | 5.92%  | 0.273% |
| 216 | 12.790 | 12.784 | 12.805 | HH | 9153       | 108977  | 3.32%  | 0.153% |
| 217 | 12.821 | 12.805 | 12.835 | HH | 10006      | 155471  | 4.73%  | 0.218% |
| 218 | 12.846 | 12.835 | 12.860 | HH | 8868       | 127270  | 3.88%  | 0.179% |
| 219 | 12.872 | 12.860 | 12.907 | HH | 8643       | 214487  | 6.53%  | 0.301% |
| 220 | 12.932 | 12.907 | 12.972 | HH | 75632      | 1076265 | 32.78% | 1.513% |
| 221 | 12.989 | 12.972 | 13.005 | HH | 11069      | 186505  | 5.68%  | 0.262% |
| 222 | 13.022 | 13.005 | 13.052 | HH | 11307      | 255178  | 7.77%  | 0.359% |
| 223 | 13.068 | 13.052 | 13.087 | HH | 7598       | 154569  | 4.71%  | 0.217% |
| 224 | 13.106 | 13.087 | 13.127 | HH | 8867       | 188072  | 5.73%  | 0.264% |
| 225 | 13.139 | 13.127 | 13.162 | HH | 7987       | 155170  | 4.73%  | 0.218% |
| 226 | 13.204 | 13.162 | 13.248 | HH | 10655      | 450018  | 13.70% | 0.632% |
| 227 | 13.267 | 13.248 | 13.309 | HH | 10773      | 313894  | 9.56%  | 0.441% |
| 228 | 13.331 | 13.309 | 13.345 | HH | 10066      | 195726  | 5.96%  | 0.275% |
| 229 | 13.358 | 13.345 | 13.372 | HH | 10208      | 154439  | 4.70%  | 0.217% |
| 230 | 13.393 | 13.372 | 13.422 | HH | 14885      | 354921  | 10.81% | 0.499% |
| 231 | 13.431 | 13.422 | 13.473 | HH | 9296       | 267758  | 8.15%  | 0.376% |
| 232 | 13.523 | 13.473 | 13.562 | HH | 26689      | 762837  | 23.23% | 1.072% |
| 233 | 13.569 | 13.562 | 13.575 | HH | 9947       | 78753   | 2.40%  | 0.111% |
| 234 | 13.592 | 13.575 | 13.607 | HH | 10490      | 187987  | 5.72%  | 0.264% |
| 235 | 13.633 | 13.607 | 13.653 | HH | 19292      | 382985  | 11.66% | 0.538% |
| 236 | 13.673 | 13.653 | 13.704 | HH | 19815      | 428159  | 13.04% | 0.602% |
| 237 | 13.714 | 13.704 | 13.735 | HH | 11481      | 207074  | 6.31%  | 0.291% |
| 238 | 13.802 | 13.735 | 13.824 | HH | 22357      | 754263  | 22.97% | 1.060% |
| 239 | 13.843 | 13.824 | 13.874 | HH | 19645      | 420869  | 12.82% | 0.591% |
| 240 | 13.884 | 13.874 | 13.900 | HH | 10857      | 167853  | 5.11%  | 0.236% |
| 241 | 13.921 | 13.900 | 13.952 | HH | 11074      | 333740  | 10.16% | 0.469% |
| 242 | 14.001 | 13.952 | 14.023 | HH | 11362      | 464192  | 14.14% | 0.652% |
| 243 | 14.038 | 14.023 | 14.074 | HH | 11006      | 331140  | 10.08% | 0.465% |
| 244 | 14.089 | 14.074 | 14.095 | HH | 11076      | 141422  | 4.31%  | 0.199% |
| 245 | 14.118 | 14.095 | 14.127 | HH | 12148      | 223085  | 6.79%  | 0.314% |
| 246 | 14.164 | 14.127 | 14.180 | HH | 13398      | 400473  | 12.20% | 0.563% |

|     |        |        |        |    | rteres.txt |         |         |        |
|-----|--------|--------|--------|----|------------|---------|---------|--------|
| 247 | 14.196 | 14.180 | 14.202 | HH | 13206      | 168565  | 5.13%   | 0.237% |
| 248 | 14.229 | 14.202 | 14.250 | HH | 16664      | 443957  | 13.52%  | 0.624% |
| 249 | 14.263 | 14.250 | 14.307 | HH | 17662      | 519499  | 15.82%  | 0.730% |
| 250 | 14.340 | 14.307 | 14.353 | HH | 16760      | 417375  | 12.71%  | 0.587% |
| 251 | 14.368 | 14.353 | 14.387 | HH | 17706      | 336354  | 10.24%  | 0.473% |
| 252 | 14.396 | 14.387 | 14.416 | HH | 16150      | 267956  | 8.16%   | 0.377% |
| 253 | 14.444 | 14.416 | 14.462 | HH | 19816      | 484947  | 14.77%  | 0.682% |
| 254 | 14.471 | 14.462 | 14.484 | HH | 17450      | 218034  | 6.64%   | 0.306% |
| 255 | 14.507 | 14.484 | 14.529 | HH | 26511      | 553739  | 16.86%  | 0.778% |
| 256 | 14.545 | 14.529 | 14.552 | HH | 16976      | 234453  | 7.14%   | 0.329% |
| 257 | 14.573 | 14.552 | 14.608 | HH | 18746      | 566144  | 17.24%  | 0.796% |
| 258 | 14.630 | 14.608 | 14.647 | HH | 17762      | 388708  | 11.84%  | 0.546% |
| 259 | 14.678 | 14.647 | 14.742 | HH | 71077      | 1711832 | 52.13%  | 2.406% |
| 260 | 14.775 | 14.742 | 14.788 | HH | 19152      | 478506  | 14.57%  | 0.672% |
| 261 | 14.820 | 14.788 | 14.841 | HH | 47440      | 942111  | 28.69%  | 1.324% |
| 262 | 14.861 | 14.841 | 14.899 | HH | 51965      | 1095217 | 33.35%  | 1.539% |
| 263 | 14.914 | 14.899 | 14.920 | HH | 19635      | 252139  | 7.68%   | 0.354% |
| 264 | 14.925 | 14.920 | 14.945 | HH | 19456      | 285138  | 8.68%   | 0.401% |
| 265 | 14.983 | 14.945 | 15.020 | HH | 27917      | 1009614 | 30.75%  | 1.419% |
| 266 | 15.025 | 15.020 | 15.039 | HH | 21544      | 233324  | 7.11%   | 0.328% |
| 267 | 15.053 | 15.039 | 15.060 | HH | 20917      | 264977  | 8.07%   | 0.372% |
| 268 | 15.067 | 15.060 | 15.090 | HH | 21105      | 370235  | 11.28%  | 0.520% |
| 269 | 15.130 | 15.090 | 15.156 | HH | 23505      | 845382  | 25.75%  | 1.188% |
| 270 | 15.179 | 15.156 | 15.201 | HH | 22981      | 605265  | 18.43%  | 0.851% |
| 271 | 15.206 | 15.201 | 15.209 | HH | 21902      | 102780  | 3.13%   | 0.144% |
| 272 | 15.212 | 15.209 | 15.215 | HH | 21978      | 82425   | 2.51%   | 0.116% |
| 273 | 15.265 | 15.215 | 15.352 | HH | 49327      | 2311196 | 70.38%  | 3.248% |
| 274 | 15.361 | 15.352 | 15.374 | HH | 23443      | 309241  | 9.42%   | 0.435% |
| 275 | 15.412 | 15.374 | 15.436 | HH | 26846      | 930572  | 28.34%  | 1.308% |
| 276 | 15.497 | 15.436 | 15.518 | HH | 38585      | 1467631 | 44.70%  | 2.063% |
| 277 | 15.536 | 15.518 | 15.565 | HH | 31606      | 801888  | 24.42%  | 1.127% |
| 278 | 15.585 | 15.565 | 15.595 | HH | 27603      | 487100  | 14.83%  | 0.685% |
| 279 | 15.664 | 15.595 | 15.691 | HH | 34825      | 1741038 | 53.02%  | 2.447% |
| 280 | 15.706 | 15.691 | 15.714 | HH | 27793      | 371549  | 11.32%  | 0.522% |
| 281 | 15.736 | 15.714 | 15.764 | HH | 29517      | 847208  | 25.80%  | 1.191% |
| 282 | 15.786 | 15.764 | 15.806 | HH | 29453      | 736407  | 22.43%  | 1.035% |
| 283 | 15.823 | 15.806 | 15.847 | HH | 30626      | 724943  | 22.08%  | 1.019% |
| 284 | 15.868 | 15.847 | 15.882 | HH | 30309      | 624837  | 19.03%  | 0.878% |
| 285 | 15.911 | 15.882 | 15.959 | HH | 33017      | 1440010 | 43.85%  | 2.024% |
| 286 | 15.972 | 15.959 | 15.989 | HH | 31615      | 560319  | 17.06%  | 0.787% |
| 287 | 16.007 | 15.989 | 16.017 | HH | 31712      | 518796  | 15.80%  | 0.729% |
| 288 | 16.036 | 16.017 | 16.053 | HH | 32091      | 696267  | 21.20%  | 0.978% |
| 289 | 16.062 | 16.053 | 16.072 | HH | 31914      | 353691  | 10.77%  | 0.497% |
| 290 | 16.104 | 16.072 | 16.130 | HH | 35737      | 1195685 | 36.41%  | 1.680% |
| 291 | 16.138 | 16.130 | 16.153 | HH | 34846      | 466940  | 14.22%  | 0.656% |
| 292 | 16.206 | 16.153 | 16.235 | HH | 40497      | 1800758 | 54.84%  | 2.531% |
| 293 | 16.303 | 16.235 | 16.340 | HH | 41720      | 2451107 | 74.65%  | 3.445% |
| 294 | 16.389 | 16.340 | 16.455 | HH | 72773      | 3283657 | 100.00% | 4.615% |
| 295 | 16.477 | 16.455 | 16.484 | HH | 41719      | 714365  | 21.76%  | 1.004% |
| 296 | 16.489 | 16.484 | 16.494 | HH | 41376      | 244086  | 7.43%   | 0.343% |
| 297 | 16.521 | 16.494 | 16.545 | HH | 49066      | 1386646 | 42.23%  | 1.949% |
| 298 | 16.550 | 16.545 | 16.555 | HH | 43024      | 250188  | 7.62%   | 0.352% |
| 299 | 16.572 | 16.555 | 16.578 | HH | 43396      | 585371  | 17.83%  | 0.823% |

|     |        |        |        |    |                         |         |          |        |
|-----|--------|--------|--------|----|-------------------------|---------|----------|--------|
|     |        |        |        |    | rteres.txt              |         |          |        |
| 300 | 16.582 | 16.578 | 16.595 | HH | 43046                   | 432670  | 13.18%   | 0.608% |
| 301 | 16.608 | 16.595 | 16.630 | HH | 43588                   | 910271  | 27.72%   | 1.279% |
| 302 | 16.713 | 16.630 | 16.739 | HH | 65991                   | 3233991 | 98.49%   | 4.545% |
| 303 | 16.771 | 16.739 | 16.810 | HH | 70585                   | 2284928 | 69.58%   | 3.211% |
| 304 | 16.869 | 16.810 | 16.901 | HH | 60943                   | 2848795 | 86.76%   | 4.004% |
|     |        |        |        |    | Sum of corrected areas: |         | 71157465 |        |

FF062619.M Wed Jul 17 09:24:37 2019