

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF071318\  
 Data File : FF001331.D  
 Signal(s) : FID2B.ch  
 Acq On : 13 Jul 2018 14:21  
 Sample : J3947-08 10X  
 Misc :  
 ALS Vial : 60 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\PESTPCBSRV\HPCHEM1\FID\_F\Method\FF070218.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         | 4.222       | 4.192        | 4.245      | BH       | 510            | 4339         | 0.20%          | 0.005%        |
| 2         | 4.257       | 4.245        | 4.272      | PH       | 120            | 815          | 0.04%          | 0.001%        |
| 3         | 4.285       | 4.272        | 4.295      | PH       | 123            | 676          | 0.03%          | 0.001%        |
| 4         | 4.311       | 4.295        | 4.316      | HH       | 263            | 1890         | 0.09%          | 0.002%        |
| 5         | 4.318       | 4.316        | 4.348      | HH       | 193            | 952          | 0.04%          | 0.001%        |
| 6         | 4.367       | 4.348        | 4.396      | PH       | 1290           | 15679        | 0.73%          | 0.018%        |
| 7         | 4.415       | 4.396        | 4.424      | HH       | 185            | 2155         | 0.10%          | 0.002%        |
| 8         | 4.439       | 4.424        | 4.462      | HH       | 174            | 1910         | 0.09%          | 0.002%        |
| 9         | 4.474       | 4.462        | 4.491      | PH       | 227            | 1502         | 0.07%          | 0.002%        |
| 10        | 4.504       | 4.491        | 4.531      | PH       | 256            | 1188         | 0.06%          | 0.001%        |
| 11        | 4.537       | 4.531        | 4.558      | PH       | -29            | -1492        | -0.07%         | -0.002%       |
| 12        | 4.576       | 4.558        | 4.584      | PH       | 6              | -722         | -0.03%         | -0.001%       |
| 13        | 4.600       | 4.584        | 4.609      | PH       | 414            | 2912         | 0.14%          | 0.003%        |
| 14        | 4.617       | 4.609        | 4.665      | HH       | 347            | 4575         | 0.21%          | 0.005%        |
| 15        | 4.683       | 4.665        | 4.718      | PH       | 297            | 136          | 0.01%          | 0.000%        |
| 16        | 4.722       | 4.718        | 4.732      | PH       | -114           | -1154        | -0.05%         | -0.001%       |
| 17        | 4.736       | 4.732        | 4.767      | PH       | -67            | -1609        | -0.08%         | -0.002%       |
| 18        | 4.772       | 4.767        | 4.784      | PH       | -79            | -1484        | -0.07%         | -0.002%       |
| 19        | 4.801       | 4.784        | 4.830      | PH       | 272            | 1069         | 0.05%          | 0.001%        |
| 20        | 4.833       | 4.830        | 4.846      | PH       | 14             | -322         | -0.02%         | -0.000%       |
| 21        | 4.858       | 4.846        | 4.886      | PH       | 109            | -1151        | -0.05%         | -0.001%       |
| 22        | 4.904       | 4.886        | 4.920      | PH       | 424            | 2556         | 0.12%          | 0.003%        |
| 23        | 4.933       | 4.920        | 4.958      | PH       | 276            | 1919         | 0.09%          | 0.002%        |
| 24        | 4.963       | 4.958        | 5.001      | PH       | 16             | -2233        | -0.10%         | -0.003%       |
| 25        | 5.025       | 5.001        | 5.046      | PH       | 77             | -1735        | -0.08%         | -0.002%       |
| 26        | 5.051       | 5.046        | 5.070      | PH       | -33            | -1506        | -0.07%         | -0.002%       |
| 27        | 5.078       | 5.070        | 5.082      | PH       | -25            | -450         | -0.02%         | -0.001%       |
| 28        | 5.089       | 5.082        | 5.104      | PH       | 55             | -88          | -0.00%         | -0.000%       |
| 29        | 5.113       | 5.104        | 5.121      | PH       | 63             | 381          | 0.02%          | 0.000%        |
| 30        | 5.137       | 5.121        | 5.152      | PH       | 217            | 1867         | 0.09%          | 0.002%        |
| 31        | 5.158       | 5.152        | 5.182      | PH       | 8              | -1680        | -0.08%         | -0.002%       |
| 32        | 5.193       | 5.182        | 5.195      | PH       | -104           | -1224        | -0.06%         | -0.001%       |
| 33        | 5.202       | 5.195        | 5.235      | PH       | -61            | -3885        | -0.18%         | -0.004%       |
| 34        | 5.257       | 5.235        | 5.290      | PH       | 660            | 7463         | 0.35%          | 0.008%        |
| 35        | 5.303       | 5.290        | 5.323      | HH       | 135            | 1048         | 0.05%          | 0.001%        |
| 36        | 5.337       | 5.323        | 5.354      | PH       | 67             | 302          | 0.01%          | 0.000%        |

|    |       |       |       |    |            |       |        |         |  |
|----|-------|-------|-------|----|------------|-------|--------|---------|--|
|    |       |       |       |    | rteres.txt |       |        |         |  |
| 37 | 5.359 | 5.354 | 5.362 | PH | -46        | -211  | -0.01% | -0.000% |  |
| 38 | 5.374 | 5.362 | 5.387 | PH | 37         | -360  | -0.02% | -0.000% |  |
| 39 | 5.397 | 5.387 | 5.410 | PH | 14         | -1025 | -0.05% | -0.001% |  |
| 40 | 5.435 | 5.410 | 5.465 | PH | 668        | 8785  | 0.41%  | 0.010%  |  |
| 41 | 5.481 | 5.465 | 5.489 | PH | 159        | 1331  | 0.06%  | 0.002%  |  |
| 42 | 5.496 | 5.489 | 5.515 | HH | 160        | 1796  | 0.08%  | 0.002%  |  |
| 43 | 5.534 | 5.515 | 5.570 | PH | 608        | 8794  | 0.41%  | 0.010%  |  |
| 44 | 5.576 | 5.570 | 5.579 | HH | 97         | 295   | 0.01%  | 0.000%  |  |
| 45 | 5.582 | 5.579 | 5.606 | HH | 148        | 795   | 0.04%  | 0.001%  |  |
| 46 | 5.618 | 5.606 | 5.649 | PH | 147        | 1793  | 0.08%  | 0.002%  |  |
| 47 | 5.662 | 5.649 | 5.680 | PH | 79         | 118   | 0.01%  | 0.000%  |  |
| 48 | 5.704 | 5.680 | 5.731 | PH | 98         | -984  | -0.05% | -0.001% |  |
| 49 | 5.758 | 5.731 | 5.780 | PH | 409        | 4367  | 0.20%  | 0.005%  |  |
| 50 | 5.804 | 5.780 | 5.831 | PH | 1236       | 19563 | 0.91%  | 0.022%  |  |
| 51 | 5.838 | 5.831 | 5.873 | HH | 499        | 9850  | 0.46%  | 0.011%  |  |
| 52 | 5.887 | 5.873 | 5.916 | HH | 481        | 8305  | 0.39%  | 0.009%  |  |
| 53 | 5.935 | 5.916 | 5.962 | HH | 884        | 18247 | 0.85%  | 0.021%  |  |
| 54 | 5.975 | 5.962 | 6.004 | HH | 717        | 13097 | 0.61%  | 0.015%  |  |
| 55 | 6.015 | 6.004 | 6.025 | HH | 479        | 5415  | 0.25%  | 0.006%  |  |
| 56 | 6.034 | 6.025 | 6.064 | HH | 699        | 10681 | 0.50%  | 0.012%  |  |
| 57 | 6.067 | 6.064 | 6.075 | HH | 467        | 2910  | 0.14%  | 0.003%  |  |
| 58 | 6.093 | 6.075 | 6.111 | HH | 549        | 9207  | 0.43%  | 0.010%  |  |
| 59 | 6.177 | 6.111 | 6.201 | HH | 1076       | 42094 | 1.97%  | 0.048%  |  |
| 60 | 6.233 | 6.201 | 6.255 | HH | 1112       | 28980 | 1.36%  | 0.033%  |  |
| 61 | 6.264 | 6.255 | 6.290 | HH | 871        | 13729 | 0.64%  | 0.016%  |  |
| 62 | 6.313 | 6.290 | 6.340 | HH | 834        | 17979 | 0.84%  | 0.020%  |  |
| 63 | 6.354 | 6.340 | 6.365 | HH | 642        | 7761  | 0.36%  | 0.009%  |  |
| 64 | 6.380 | 6.365 | 6.394 | HH | 948        | 12920 | 0.60%  | 0.015%  |  |
| 65 | 6.413 | 6.394 | 6.444 | HH | 1649       | 26485 | 1.24%  | 0.030%  |  |
| 66 | 6.450 | 6.444 | 6.455 | HH | 443        | 2673  | 0.12%  | 0.003%  |  |
| 67 | 6.482 | 6.455 | 6.493 | HH | 762        | 12557 | 0.59%  | 0.014%  |  |
| 68 | 6.505 | 6.493 | 6.518 | HH | 808        | 10627 | 0.50%  | 0.012%  |  |
| 69 | 6.529 | 6.518 | 6.537 | HH | 804        | 8008  | 0.37%  | 0.009%  |  |
| 70 | 6.545 | 6.537 | 6.570 | HH | 872        | 13878 | 0.65%  | 0.016%  |  |
| 71 | 6.585 | 6.570 | 6.598 | HH | 1043       | 14122 | 0.66%  | 0.016%  |  |
| 72 | 6.626 | 6.598 | 6.642 | HH | 947        | 19927 | 0.93%  | 0.023%  |  |
| 73 | 6.646 | 6.642 | 6.663 | HH | 656        | 7778  | 0.36%  | 0.009%  |  |
| 74 | 6.682 | 6.663 | 6.697 | HH | 957        | 15607 | 0.73%  | 0.018%  |  |
| 75 | 6.717 | 6.697 | 6.734 | HH | 1715       | 26117 | 1.22%  | 0.030%  |  |
| 76 | 6.753 | 6.734 | 6.770 | HH | 1637       | 29835 | 1.40%  | 0.034%  |  |
| 77 | 6.784 | 6.770 | 6.809 | HH | 1465       | 27946 | 1.31%  | 0.032%  |  |
| 78 | 6.854 | 6.809 | 6.910 | HH | 2418       | 95830 | 4.48%  | 0.109%  |  |
| 79 | 6.939 | 6.910 | 6.962 | HH | 2581       | 57764 | 2.70%  | 0.066%  |  |
| 80 | 6.985 | 6.962 | 7.014 | HH | 2201       | 51206 | 2.39%  | 0.058%  |  |
| 81 | 7.031 | 7.014 | 7.062 | HH | 1713       | 43386 | 2.03%  | 0.049%  |  |
| 82 | 7.067 | 7.062 | 7.089 | HH | 1305       | 19131 | 0.89%  | 0.022%  |  |
| 83 | 7.107 | 7.089 | 7.125 | HH | 1493       | 27601 | 1.29%  | 0.031%  |  |
| 84 | 7.153 | 7.125 | 7.194 | HH | 2000       | 64037 | 2.99%  | 0.073%  |  |
| 85 | 7.207 | 7.194 | 7.220 | HH | 1575       | 23824 | 1.11%  | 0.027%  |  |
| 86 | 7.233 | 7.220 | 7.262 | HH | 1677       | 36108 | 1.69%  | 0.041%  |  |
| 87 | 7.279 | 7.262 | 7.297 | HH | 1563       | 30138 | 1.41%  | 0.034%  |  |
| 88 | 7.324 | 7.297 | 7.357 | HH | 2161       | 57165 | 2.67%  | 0.065%  |  |
| 89 | 7.371 | 7.357 | 7.386 | HH | 1632       | 24746 | 1.16%  | 0.028%  |  |

|     |       |       |       |    |            |        |        |        |
|-----|-------|-------|-------|----|------------|--------|--------|--------|
|     |       |       |       |    | rteres.txt |        |        |        |
| 90  | 7.431 | 7.386 | 7.457 | HH | 2352       | 71386  | 3.34%  | 0.081% |
| 91  | 7.477 | 7.457 | 7.499 | HH | 2274       | 46016  | 2.15%  | 0.052% |
| 92  | 7.517 | 7.499 | 7.526 | HH | 1743       | 26234  | 1.23%  | 0.030% |
| 93  | 7.578 | 7.526 | 7.600 | HH | 2415       | 86865  | 4.06%  | 0.099% |
| 94  | 7.612 | 7.600 | 7.647 | HH | 2136       | 52812  | 2.47%  | 0.060% |
| 95  | 7.670 | 7.647 | 7.685 | HH | 1987       | 41443  | 1.94%  | 0.047% |
| 96  | 7.750 | 7.685 | 7.769 | HH | 3628       | 136976 | 6.40%  | 0.155% |
| 97  | 7.774 | 7.769 | 7.802 | HH | 2895       | 51718  | 2.42%  | 0.059% |
| 98  | 7.844 | 7.802 | 7.870 | HH | 3443       | 117391 | 5.49%  | 0.133% |
| 99  | 7.889 | 7.870 | 7.915 | HH | 3675       | 81788  | 3.82%  | 0.093% |
| 100 | 7.943 | 7.915 | 7.960 | HH | 3591       | 83309  | 3.90%  | 0.094% |
| 101 | 7.976 | 7.960 | 8.000 | HH | 3386       | 77975  | 3.65%  | 0.088% |
| 102 | 8.018 | 8.000 | 8.042 | HH | 4087       | 88840  | 4.15%  | 0.101% |
| 103 | 8.050 | 8.042 | 8.057 | HH | 3005       | 25176  | 1.18%  | 0.029% |
| 104 | 8.082 | 8.057 | 8.148 | HH | 9550       | 291335 | 13.62% | 0.330% |
| 105 | 8.169 | 8.148 | 8.197 | HH | 6597       | 135924 | 6.36%  | 0.154% |
| 106 | 8.201 | 8.197 | 8.205 | HH | 3551       | 16494  | 0.77%  | 0.019% |
| 107 | 8.215 | 8.205 | 8.245 | HH | 3638       | 82574  | 3.86%  | 0.094% |
| 108 | 8.267 | 8.245 | 8.327 | HH | 3999       | 161672 | 7.56%  | 0.183% |
| 109 | 8.345 | 8.327 | 8.355 | HH | 2968       | 47345  | 2.21%  | 0.054% |
| 110 | 8.416 | 8.355 | 8.449 | HH | 15235      | 355208 | 16.61% | 0.403% |
| 111 | 8.463 | 8.449 | 8.485 | HH | 6345       | 113185 | 5.29%  | 0.128% |
| 112 | 8.499 | 8.485 | 8.511 | HH | 4451       | 66792  | 3.12%  | 0.076% |
| 113 | 8.528 | 8.511 | 8.545 | HH | 5462       | 99020  | 4.63%  | 0.112% |
| 114 | 8.556 | 8.545 | 8.593 | HH | 4670       | 117843 | 5.51%  | 0.134% |
| 115 | 8.629 | 8.593 | 8.641 | HH | 4772       | 116157 | 5.43%  | 0.132% |
| 116 | 8.659 | 8.641 | 8.681 | HH | 5879       | 120717 | 5.64%  | 0.137% |
| 117 | 8.697 | 8.681 | 8.713 | HH | 4780       | 87162  | 4.08%  | 0.099% |
| 118 | 8.746 | 8.713 | 8.781 | HH | 5740       | 201534 | 9.42%  | 0.229% |
| 119 | 8.786 | 8.781 | 8.789 | HH | 4406       | 20608  | 0.96%  | 0.023% |
| 120 | 8.795 | 8.789 | 8.813 | HH | 4546       | 64524  | 3.02%  | 0.073% |
| 121 | 8.843 | 8.813 | 8.856 | HH | 5131       | 121216 | 5.67%  | 0.137% |
| 122 | 8.871 | 8.856 | 8.903 | HH | 4901       | 128094 | 5.99%  | 0.145% |
| 123 | 8.922 | 8.903 | 8.948 | HH | 4658       | 112789 | 5.27%  | 0.128% |
| 124 | 8.983 | 8.948 | 9.005 | HH | 5370       | 156461 | 7.32%  | 0.177% |
| 125 | 9.034 | 9.005 | 9.054 | HH | 4899       | 131350 | 6.14%  | 0.149% |
| 126 | 9.072 | 9.054 | 9.088 | HH | 4567       | 90876  | 4.25%  | 0.103% |
| 127 | 9.093 | 9.088 | 9.095 | HH | 4460       | 19174  | 0.90%  | 0.022% |
| 128 | 9.122 | 9.095 | 9.154 | HH | 5455       | 175411 | 8.20%  | 0.199% |
| 129 | 9.213 | 9.154 | 9.250 | HH | 7973       | 343395 | 16.06% | 0.389% |
| 130 | 9.276 | 9.250 | 9.314 | HH | 8316       | 243744 | 11.40% | 0.276% |
| 131 | 9.320 | 9.314 | 9.334 | HH | 5655       | 66737  | 3.12%  | 0.076% |
| 132 | 9.352 | 9.334 | 9.364 | HH | 6386       | 109248 | 5.11%  | 0.124% |
| 133 | 9.379 | 9.364 | 9.394 | HH | 6452       | 110980 | 5.19%  | 0.126% |
| 134 | 9.404 | 9.394 | 9.435 | HH | 6667       | 148804 | 6.96%  | 0.169% |
| 135 | 9.445 | 9.435 | 9.467 | HH | 5522       | 103070 | 4.82%  | 0.117% |
| 136 | 9.489 | 9.467 | 9.500 | HH | 5275       | 102814 | 4.81%  | 0.117% |
| 137 | 9.527 | 9.500 | 9.549 | HH | 6695       | 174056 | 8.14%  | 0.197% |
| 138 | 9.557 | 9.549 | 9.587 | HH | 6050       | 136029 | 6.36%  | 0.154% |
| 139 | 9.617 | 9.587 | 9.648 | HH | 7791       | 238929 | 11.17% | 0.271% |
| 140 | 9.669 | 9.648 | 9.694 | HH | 6332       | 168095 | 7.86%  | 0.191% |
| 141 | 9.712 | 9.694 | 9.729 | HH | 6294       | 125672 | 5.88%  | 0.143% |

|     |        |        |        |    | rteres.txt |        |        |        |
|-----|--------|--------|--------|----|------------|--------|--------|--------|
| 142 | 9.738  | 9.729  | 9.750  | HH | 6031       | 76046  | 3.56%  | 0.086% |
| 143 | 9.782  | 9.750  | 9.807  | HH | 6533       | 207432 | 9.70%  | 0.235% |
| 144 | 9.810  | 9.807  | 9.830  | HH | 6102       | 80327  | 3.76%  | 0.091% |
| 145 | 9.844  | 9.830  | 9.867  | HH | 5922       | 125271 | 5.86%  | 0.142% |
| 146 | 9.878  | 9.867  | 9.894  | HH | 5913       | 94666  | 4.43%  | 0.107% |
| 147 | 9.941  | 9.894  | 9.950  | HH | 6760       | 208115 | 9.73%  | 0.236% |
| 148 | 9.955  | 9.950  | 9.959  | HH | 6744       | 38347  | 1.79%  | 0.043% |
| 149 | 9.965  | 9.959  | 9.977  | HH | 6801       | 70685  | 3.31%  | 0.080% |
| 150 | 9.996  | 9.977  | 10.022 | HH | 7139       | 183359 | 8.57%  | 0.208% |
| 151 | 10.051 | 10.022 | 10.061 | HH | 8186       | 173534 | 8.11%  | 0.197% |
| 152 | 10.077 | 10.061 | 10.099 | HH | 8495       | 179957 | 8.41%  | 0.204% |
| 153 | 10.116 | 10.099 | 10.135 | HH | 9377       | 184927 | 8.65%  | 0.210% |
| 154 | 10.144 | 10.135 | 10.170 | HH | 8332       | 157687 | 7.37%  | 0.179% |
| 155 | 10.197 | 10.170 | 10.230 | HH | 8733       | 288230 | 13.48% | 0.327% |
| 156 | 10.254 | 10.230 | 10.275 | HH | 9717       | 236209 | 11.04% | 0.268% |
| 157 | 10.287 | 10.275 | 10.303 | HH | 8694       | 143963 | 6.73%  | 0.163% |
| 158 | 10.320 | 10.303 | 10.339 | HH | 8639       | 180206 | 8.43%  | 0.204% |
| 159 | 10.357 | 10.339 | 10.380 | HH | 9466       | 212541 | 9.94%  | 0.241% |
| 160 | 10.414 | 10.380 | 10.454 | HH | 10983      | 419381 | 19.61% | 0.476% |
| 161 | 10.466 | 10.454 | 10.479 | HH | 8901       | 128730 | 6.02%  | 0.146% |
| 162 | 10.491 | 10.479 | 10.524 | HH | 9223       | 229122 | 10.71% | 0.260% |
| 163 | 10.555 | 10.524 | 10.565 | HH | 9160       | 215625 | 10.08% | 0.245% |
| 164 | 10.601 | 10.565 | 10.642 | HH | 13637      | 479601 | 22.43% | 0.544% |
| 165 | 10.681 | 10.642 | 10.713 | HH | 10433      | 405543 | 18.96% | 0.460% |
| 166 | 10.717 | 10.713 | 10.722 | HH | 8887       | 47479  | 2.22%  | 0.054% |
| 167 | 10.726 | 10.722 | 10.748 | HH | 8912       | 136819 | 6.40%  | 0.155% |
| 168 | 10.754 | 10.748 | 10.759 | HH | 8542       | 53549  | 2.50%  | 0.061% |
| 169 | 10.771 | 10.759 | 10.791 | HH | 8919       | 171988 | 8.04%  | 0.195% |
| 170 | 10.811 | 10.791 | 10.842 | HH | 9218       | 271740 | 12.71% | 0.308% |
| 171 | 10.856 | 10.842 | 10.864 | HH | 9056       | 116975 | 5.47%  | 0.133% |
| 172 | 10.875 | 10.864 | 10.884 | HH | 9310       | 110859 | 5.18%  | 0.126% |
| 173 | 10.904 | 10.884 | 10.932 | HH | 11007      | 285235 | 13.34% | 0.324% |
| 174 | 10.944 | 10.932 | 10.957 | HH | 9959       | 146641 | 6.86%  | 0.166% |
| 175 | 10.970 | 10.957 | 10.982 | HH | 10278      | 148237 | 6.93%  | 0.168% |
| 176 | 11.002 | 10.982 | 11.036 | HH | 11023      | 345087 | 16.14% | 0.391% |
| 177 | 11.067 | 11.036 | 11.077 | HH | 11628      | 265271 | 12.40% | 0.301% |
| 178 | 11.090 | 11.077 | 11.104 | HH | 11343      | 176018 | 8.23%  | 0.200% |
| 179 | 11.122 | 11.104 | 11.130 | HH | 11406      | 175778 | 8.22%  | 0.199% |
| 180 | 11.139 | 11.130 | 11.164 | HH | 11370      | 216179 | 10.11% | 0.245% |
| 181 | 11.181 | 11.164 | 11.218 | HH | 11152      | 342306 | 16.01% | 0.388% |
| 182 | 11.254 | 11.218 | 11.275 | HH | 11393      | 363743 | 17.01% | 0.413% |
| 183 | 11.285 | 11.275 | 11.311 | HH | 11071      | 233998 | 10.94% | 0.265% |
| 184 | 11.348 | 11.311 | 11.360 | HH | 11263      | 317074 | 14.83% | 0.360% |
| 185 | 11.384 | 11.360 | 11.389 | HH | 11414      | 192574 | 9.00%  | 0.218% |
| 186 | 11.412 | 11.389 | 11.418 | HH | 11944      | 208894 | 9.77%  | 0.237% |
| 187 | 11.430 | 11.418 | 11.468 | HH | 12481      | 343426 | 16.06% | 0.390% |
| 188 | 11.513 | 11.468 | 11.527 | HH | 15386      | 444612 | 20.79% | 0.504% |
| 189 | 11.537 | 11.527 | 11.561 | HH | 14823      | 281237 | 13.15% | 0.319% |
| 190 | 11.578 | 11.561 | 11.626 | HH | 12839      | 471755 | 22.06% | 0.535% |
| 191 | 11.653 | 11.626 | 11.669 | HH | 13050      | 307750 | 14.39% | 0.349% |
| 192 | 11.699 | 11.669 | 11.712 | HH | 13700      | 328789 | 15.37% | 0.373% |
| 193 | 11.722 | 11.712 | 11.756 | HH | 13704      | 348451 | 16.29% | 0.395% |
| 194 | 11.772 | 11.756 | 11.787 | HH | 12896      | 236001 | 11.03% | 0.268% |

|     |        |        |        |    |            |         |        |        |
|-----|--------|--------|--------|----|------------|---------|--------|--------|
|     |        |        |        |    | rteres.txt |         |        |        |
| 195 | 11.804 | 11.787 | 11.828 | HH | 13382      | 319357  | 14.93% | 0.362% |
| 196 | 11.838 | 11.828 | 11.848 | HH | 12924      | 151295  | 7.07%  | 0.172% |
| 197 | 11.862 | 11.848 | 11.885 | HH | 13153      | 289594  | 13.54% | 0.328% |
| 198 | 11.902 | 11.885 | 11.913 | HH | 13146      | 215920  | 10.10% | 0.245% |
| 199 | 11.932 | 11.913 | 11.954 | HH | 14904      | 339414  | 15.87% | 0.385% |
| 200 | 11.959 | 11.954 | 11.989 | HH | 13829      | 276646  | 12.94% | 0.314% |
| 201 | 12.014 | 11.989 | 12.039 | HH | 14315      | 404370  | 18.91% | 0.459% |
| 202 | 12.046 | 12.039 | 12.057 | HH | 13311      | 145413  | 6.80%  | 0.165% |
| 203 | 12.073 | 12.057 | 12.090 | HH | 14601      | 280318  | 13.11% | 0.318% |
| 204 | 12.103 | 12.090 | 12.114 | HH | 14168      | 198574  | 9.28%  | 0.225% |
| 205 | 12.128 | 12.114 | 12.170 | HH | 14302      | 465164  | 21.75% | 0.528% |
| 206 | 12.208 | 12.170 | 12.228 | HH | 15737      | 504430  | 23.59% | 0.572% |
| 207 | 12.244 | 12.228 | 12.248 | HH | 13950      | 165256  | 7.73%  | 0.187% |
| 208 | 12.296 | 12.248 | 12.318 | HH | 17788      | 661982  | 30.95% | 0.751% |
| 209 | 12.323 | 12.318 | 12.325 | HH | 15630      | 67532   | 3.16%  | 0.077% |
| 210 | 12.329 | 12.325 | 12.347 | HH | 15720      | 202232  | 9.46%  | 0.229% |
| 211 | 12.365 | 12.347 | 12.389 | HH | 17046      | 398290  | 18.62% | 0.452% |
| 212 | 12.412 | 12.389 | 12.436 | HH | 25967      | 568932  | 26.60% | 0.645% |
| 213 | 12.442 | 12.436 | 12.448 | HH | 16854      | 117514  | 5.49%  | 0.133% |
| 214 | 12.454 | 12.448 | 12.480 | HH | 16688      | 307030  | 14.36% | 0.348% |
| 215 | 12.488 | 12.480 | 12.504 | HH | 14913      | 207093  | 9.68%  | 0.235% |
| 216 | 12.511 | 12.504 | 12.523 | HH | 15040      | 169244  | 7.91%  | 0.192% |
| 217 | 12.547 | 12.523 | 12.582 | HH | 16102      | 546492  | 25.55% | 0.620% |
| 218 | 12.603 | 12.582 | 12.621 | HH | 15641      | 351635  | 16.44% | 0.399% |
| 219 | 12.657 | 12.621 | 12.684 | HH | 16393      | 594591  | 27.80% | 0.674% |
| 220 | 12.707 | 12.684 | 12.758 | HH | 28162      | 848636  | 39.68% | 0.962% |
| 221 | 12.768 | 12.758 | 12.788 | HH | 16514      | 294419  | 13.77% | 0.334% |
| 222 | 12.805 | 12.788 | 12.829 | HH | 17793      | 411368  | 19.23% | 0.467% |
| 223 | 12.892 | 12.829 | 12.912 | HH | 17447      | 831566  | 38.88% | 0.943% |
| 224 | 12.919 | 12.912 | 12.952 | HH | 16558      | 387565  | 18.12% | 0.440% |
| 225 | 12.993 | 12.952 | 13.023 | HH | 20932      | 791840  | 37.02% | 0.898% |
| 226 | 13.040 | 13.023 | 13.082 | HH | 21062      | 645701  | 30.19% | 0.732% |
| 227 | 13.125 | 13.082 | 13.152 | HH | 19472      | 777599  | 36.36% | 0.882% |
| 228 | 13.173 | 13.152 | 13.193 | HH | 18570      | 439453  | 20.55% | 0.498% |
| 229 | 13.215 | 13.193 | 13.220 | HH | 18165      | 290022  | 13.56% | 0.329% |
| 230 | 13.229 | 13.220 | 13.250 | HH | 18136      | 317170  | 14.83% | 0.360% |
| 231 | 13.265 | 13.250 | 13.275 | HH | 18126      | 272454  | 12.74% | 0.309% |
| 232 | 13.297 | 13.275 | 13.324 | HH | 20241      | 557996  | 26.09% | 0.633% |
| 233 | 13.339 | 13.324 | 13.354 | HH | 18764      | 329871  | 15.42% | 0.374% |
| 234 | 13.375 | 13.354 | 13.390 | HH | 19225      | 407060  | 19.03% | 0.462% |
| 235 | 13.408 | 13.390 | 13.424 | HH | 19887      | 380472  | 17.79% | 0.432% |
| 236 | 13.447 | 13.424 | 13.465 | HH | 21871      | 504527  | 23.59% | 0.572% |
| 237 | 13.491 | 13.465 | 13.523 | HH | 21181      | 715528  | 33.46% | 0.812% |
| 238 | 13.571 | 13.523 | 13.597 | HH | 27337      | 1004534 | 46.97% | 1.139% |
| 239 | 13.614 | 13.597 | 13.635 | HH | 22733      | 484836  | 22.67% | 0.550% |
| 240 | 13.654 | 13.635 | 13.669 | HH | 20018      | 399688  | 18.69% | 0.453% |
| 241 | 13.676 | 13.669 | 13.688 | HH | 19974      | 231211  | 10.81% | 0.262% |
| 242 | 13.702 | 13.688 | 13.730 | HH | 20376      | 484915  | 22.67% | 0.550% |
| 243 | 13.756 | 13.730 | 13.795 | HH | 20963      | 780124  | 36.48% | 0.885% |
| 244 | 13.808 | 13.795 | 13.829 | HH | 19992      | 389982  | 18.23% | 0.442% |
| 245 | 13.839 | 13.829 | 13.845 | HH | 19627      | 194471  | 9.09%  | 0.221% |
| 246 | 13.857 | 13.845 | 13.872 | HH | 20340      | 321804  | 15.05% | 0.365% |

|     |        |        |        |    | rteres.txt |         |         |        |
|-----|--------|--------|--------|----|------------|---------|---------|--------|
| 247 | 13.881 | 13.872 | 13.891 | HH | 19918      | 219196  | 10.25%  | 0.249% |
| 248 | 13.912 | 13.891 | 13.935 | HH | 22794      | 572820  | 26.78%  | 0.650% |
| 249 | 13.956 | 13.935 | 13.977 | HH | 21781      | 520662  | 24.35%  | 0.591% |
| 250 | 14.012 | 13.977 | 14.020 | HH | 22935      | 569321  | 26.62%  | 0.646% |
| 251 | 14.049 | 14.020 | 14.089 | HH | 25683      | 952451  | 44.53%  | 1.080% |
| 252 | 14.125 | 14.089 | 14.180 | HH | 27142      | 1314015 | 61.44%  | 1.490% |
| 253 | 14.234 | 14.180 | 14.256 | HH | 27002      | 1081193 | 50.55%  | 1.226% |
| 254 | 14.276 | 14.256 | 14.292 | HH | 27195      | 554807  | 25.94%  | 0.629% |
| 255 | 14.309 | 14.292 | 14.332 | HH | 24681      | 564407  | 26.39%  | 0.640% |
| 256 | 14.358 | 14.332 | 14.375 | HH | 24779      | 610871  | 28.56%  | 0.693% |
| 257 | 14.395 | 14.375 | 14.417 | HH | 26410      | 608614  | 28.46%  | 0.690% |
| 258 | 14.454 | 14.417 | 14.483 | HH | 38117      | 1156555 | 54.08%  | 1.312% |
| 259 | 14.498 | 14.483 | 14.514 | HH | 23746      | 427060  | 19.97%  | 0.484% |
| 260 | 14.557 | 14.514 | 14.575 | HH | 25965      | 900652  | 42.11%  | 1.021% |
| 261 | 14.587 | 14.575 | 14.606 | HH | 26999      | 467792  | 21.87%  | 0.531% |
| 262 | 14.628 | 14.606 | 14.644 | HH | 28620      | 613074  | 28.67%  | 0.695% |
| 263 | 14.656 | 14.644 | 14.705 | HH | 27401      | 926969  | 43.34%  | 1.051% |
| 264 | 14.734 | 14.705 | 14.756 | HH | 27238      | 785293  | 36.72%  | 0.891% |
| 265 | 14.782 | 14.756 | 14.842 | HH | 26774      | 1312249 | 61.36%  | 1.488% |
| 266 | 14.846 | 14.842 | 14.854 | HH | 23997      | 171471  | 8.02%   | 0.194% |
| 267 | 14.891 | 14.854 | 14.926 | HH | 28529      | 1116270 | 52.19%  | 1.266% |
| 268 | 14.937 | 14.926 | 14.952 | HH | 25390      | 391481  | 18.30%  | 0.444% |
| 269 | 14.964 | 14.952 | 14.978 | HH | 25390      | 390746  | 18.27%  | 0.443% |
| 270 | 15.049 | 14.978 | 15.084 | HH | 30520      | 1724984 | 80.66%  | 1.956% |
| 271 | 15.095 | 15.084 | 15.116 | HH | 27172      | 495811  | 23.18%  | 0.562% |
| 272 | 15.140 | 15.116 | 15.145 | HH | 24976      | 420675  | 19.67%  | 0.477% |
| 273 | 15.177 | 15.145 | 15.207 | HH | 30897      | 1026614 | 48.00%  | 1.164% |
| 274 | 15.234 | 15.207 | 15.240 | HH | 28322      | 554727  | 25.94%  | 0.629% |
| 275 | 15.260 | 15.240 | 15.279 | HH | 31878      | 689385  | 32.23%  | 0.782% |
| 276 | 15.290 | 15.279 | 15.328 | HH | 29502      | 799397  | 37.38%  | 0.907% |
| 277 | 15.351 | 15.328 | 15.356 | HH | 25811      | 426192  | 19.93%  | 0.483% |
| 278 | 15.425 | 15.356 | 15.447 | HH | 30192      | 1520471 | 71.09%  | 1.724% |
| 279 | 15.460 | 15.447 | 15.474 | HH | 27356      | 433321  | 20.26%  | 0.491% |
| 280 | 15.484 | 15.474 | 15.509 | HH | 28128      | 577409  | 27.00%  | 0.655% |
| 281 | 15.523 | 15.509 | 15.528 | HH | 26934      | 303173  | 14.18%  | 0.344% |
| 282 | 15.545 | 15.528 | 15.560 | HH | 28212      | 538133  | 25.16%  | 0.610% |
| 283 | 15.570 | 15.560 | 15.580 | HH | 28311      | 330247  | 15.44%  | 0.375% |
| 284 | 15.587 | 15.580 | 15.604 | HH | 28019      | 406536  | 19.01%  | 0.461% |
| 285 | 15.621 | 15.604 | 15.639 | HH | 28933      | 587790  | 27.48%  | 0.667% |
| 286 | 15.678 | 15.639 | 15.711 | HH | 33703      | 1300087 | 60.79%  | 1.475% |
| 287 | 15.733 | 15.711 | 15.747 | HH | 28930      | 618563  | 28.92%  | 0.702% |
| 288 | 15.762 | 15.747 | 15.781 | HH | 29186      | 587276  | 27.46%  | 0.666% |
| 289 | 15.787 | 15.781 | 15.804 | HH | 28530      | 375860  | 17.57%  | 0.426% |
| 290 | 15.807 | 15.804 | 15.811 | HH | 27606      | 122426  | 5.72%   | 0.139% |
| 291 | 15.818 | 15.811 | 15.824 | HH | 27597      | 207383  | 9.70%   | 0.235% |
| 292 | 15.863 | 15.824 | 15.884 | HH | 34617      | 1121639 | 52.45%  | 1.272% |
| 293 | 15.898 | 15.884 | 15.919 | HH | 31037      | 644588  | 30.14%  | 0.731% |
| 294 | 15.949 | 15.919 | 15.953 | HH | 32720      | 646133  | 30.21%  | 0.733% |
| 295 | 15.960 | 15.953 | 15.983 | HH | 32919      | 586650  | 27.43%  | 0.665% |
| 296 | 16.007 | 15.983 | 16.016 | HH | 32289      | 611840  | 28.61%  | 0.694% |
| 297 | 16.020 | 16.016 | 16.025 | HH | 32297      | 187542  | 8.77%   | 0.213% |
| 298 | 16.058 | 16.025 | 16.088 | HH | 34438      | 1219235 | 57.01%  | 1.383% |
| 299 | 16.151 | 16.088 | 16.190 | HH | 43177      | 2138678 | 100.00% | 2.426% |

|     |        |        |        |    |                         |          |        |        |
|-----|--------|--------|--------|----|-------------------------|----------|--------|--------|
|     |        |        |        |    | rteres.txt              |          |        |        |
| 300 | 16.195 | 16.190 | 16.209 | HH | 32274                   | 357039   | 16.69% | 0.405% |
| 301 | 16.239 | 16.209 | 16.249 | HH | 33955                   | 775258   | 36.25% | 0.879% |
| 302 | 16.282 | 16.249 | 16.299 | HH | 36659                   | 1064537  | 49.78% | 1.207% |
| 303 | 16.304 | 16.299 | 16.321 | HH | 34936                   | 457272   | 21.38% | 0.519% |
| 304 | 16.348 | 16.321 | 16.359 | HH | 35050                   | 771088   | 36.05% | 0.875% |
| 305 | 16.372 | 16.359 | 16.382 | HH | 34203                   | 472510   | 22.09% | 0.536% |
| 306 | 16.423 | 16.382 | 16.439 | HH | 36318                   | 1185240  | 55.42% | 1.344% |
| 307 | 16.466 | 16.439 | 16.492 | HH | 40848                   | 1210827  | 56.62% | 1.373% |
| 308 | 16.495 | 16.492 | 16.502 | HH | 36149                   | 208440   | 9.75%  | 0.236% |
| 309 | 16.525 | 16.502 | 16.555 | HH | 39232                   | 1198179  | 56.02% | 1.359% |
| 310 | 16.574 | 16.555 | 16.585 | HH | 37269                   | 640156   | 29.93% | 0.726% |
| 311 | 16.627 | 16.585 | 16.668 | HH | 48163                   | 2027668  | 94.81% | 2.300% |
|     |        |        |        |    | Sum of corrected areas: | 88170344 |        |        |

FF070218.M Fri Jul 13 14:57:23 2018