

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE111418\  
 Data File : FE029230.D  
 Signal(s) : FID1B.CH  
 Acq On : 14 Nov 2018 15:30  
 Sample : J5838-18  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Integration File: sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\C44-FE102318.M  
 Title :

Signal : FID1B.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         | 2.675       | 2.465        | 2.704      | BH       | -2167          | -74299       | -1.55%         | -0.173%       |
| 2         | 2.717       | 2.704        | 2.736      | PH       | -2397          | -50675       | -1.06%         | -0.118%       |
| 3         | 2.751       | 2.736        | 2.937      | PH       | -1642          | -460931      | -9.64%         | -1.072%       |
| 4         | 2.950       | 2.937        | 3.020      | PH       | -4667          | -254958      | -5.33%         | -0.593%       |
| 5         | 3.041       | 3.020        | 3.194      | PH       | -5122          | -622876      | -13.03%        | -1.448%       |
| 6         | 3.203       | 3.194        | 3.252      | PH       | -6446          | -232099      | -4.86%         | -0.540%       |
| 7         | 3.260       | 3.252        | 3.292      | PH       | -6675          | -165641      | -3.47%         | -0.385%       |
| 8         | 3.297       | 3.292        | 3.316      | PH       | -7046          | -102555      | -2.15%         | -0.238%       |
| 9         | 3.328       | 3.316        | 3.392      | PH       | -7007          | -329990      | -6.90%         | -0.767%       |
| 10        | 3.409       | 3.392        | 3.440      | PH       | -6942          | -209112      | -4.38%         | -0.486%       |
| 11        | 3.452       | 3.440        | 3.486      | PH       | -6953          | -198100      | -4.15%         | -0.461%       |
| 12        | 3.497       | 3.486        | 3.598      | PH       | -7256          | -525132      | -10.99%        | -1.221%       |
| 13        | 3.623       | 3.598        | 3.644      | PH       | -7898          | -219246      | -4.59%         | -0.510%       |
| 14        | 3.654       | 3.644        | 3.667      | PH       | -7966          | -109557      | -2.29%         | -0.255%       |
| 15        | 3.678       | 3.667        | 3.750      | PH       | -8016          | -404102      | -8.46%         | -0.940%       |
| 16        | 3.763       | 3.750        | 3.784      | PH       | -8031          | -161431      | -3.38%         | -0.375%       |
| 17        | 3.799       | 3.784        | 3.855      | PH       | -7718          | -343117      | -7.18%         | -0.798%       |
| 18        | 3.866       | 3.855        | 3.905      | PH       | -8124          | -248788      | -5.21%         | -0.579%       |
| 19        | 3.918       | 3.905        | 3.928      | PH       | -8251          | -113288      | -2.37%         | -0.263%       |
| 20        | 3.938       | 3.928        | 3.989      | PH       | -8130          | -303458      | -6.35%         | -0.706%       |
| 21        | 4.004       | 3.989        | 4.015      | PH       | -8229          | -130600      | -2.73%         | -0.304%       |
| 22        | 4.049       | 4.015        | 4.058      | PH       | -8218          | -214082      | -4.48%         | -0.498%       |
| 23        | 4.063       | 4.058        | 4.068      | PH       | -8223          | -47190       | -0.99%         | -0.110%       |
| 24        | 4.084       | 4.068        | 4.125      | PH       | -8153          | -282746      | -5.92%         | -0.658%       |
| 25        | 4.131       | 4.125        | 4.144      | PH       | -8287          | -95096       | -1.99%         | -0.221%       |
| 26        | 4.170       | 4.144        | 4.328      | PH       | 48176          | 3472         | 0.07%          | 0.008%        |
| 27        | 4.338       | 4.328        | 4.362      | PH       | -6969          | -146244      | -3.06%         | -0.340%       |
| 28        | 4.377       | 4.362        | 4.398      | PH       | -7185          | -158326      | -3.31%         | -0.368%       |
| 29        | 4.411       | 4.398        | 4.453      | PH       | -7308          | -247822      | -5.19%         | -0.576%       |
| 30        | 4.465       | 4.453        | 4.495      | PH       | -7785          | -197497      | -4.13%         | -0.459%       |
| 31        | 4.512       | 4.495        | 4.545      | PH       | -7479          | -234053      | -4.90%         | -0.544%       |
| 32        | 4.563       | 4.545        | 4.608      | PH       | -7185          | -294992      | -6.17%         | -0.686%       |
| 33        | 4.619       | 4.608        | 4.645      | PH       | -7947          | -177396      | -3.71%         | -0.413%       |
| 34        | 4.655       | 4.645        | 4.693      | PH       | -7811          | -230046      | -4.81%         | -0.535%       |
| 35        | 4.717       | 4.693        | 4.804      | PH       | -4582          | -505743      | -10.58%        | -1.176%       |
| 36        | 4.817       | 4.804        | 4.835      | PH       | -8076          | -150859      | -3.16%         | -0.351%       |

|    |       |       |       |    | rteres.txt |         |         |         |
|----|-------|-------|-------|----|------------|---------|---------|---------|
| 37 | 4.854 | 4.835 | 4.865 | PH | -8233      | -148985 | -3.12%  | -0.346% |
| 38 | 4.876 | 4.865 | 4.908 | PH | -8338      | -218805 | -4.58%  | -0.509% |
| 39 | 4.924 | 4.908 | 4.951 | PH | -8353      | -217761 | -4.56%  | -0.506% |
| 40 | 4.966 | 4.951 | 4.982 | PH | -8344      | -156172 | -3.27%  | -0.363% |
| 41 | 4.989 | 4.982 | 5.032 | PH | -8391      | -250594 | -5.24%  | -0.583% |
| 42 | 5.040 | 5.032 | 5.058 | PH | -8366      | -132359 | -2.77%  | -0.308% |
| 43 | 5.080 | 5.058 | 5.141 | PH | -8439      | -423413 | -8.86%  | -0.985% |
| 44 | 5.163 | 5.141 | 5.232 | PH | -8033      | -456561 | -9.55%  | -1.062% |
| 45 | 5.304 | 5.232 | 5.327 | PH | -8306      | -485202 | -10.15% | -1.128% |
| 46 | 5.342 | 5.327 | 5.350 | PH | -8459      | -116085 | -2.43%  | -0.270% |
| 47 | 5.361 | 5.350 | 5.396 | PH | -8422      | -235618 | -4.93%  | -0.548% |
| 48 | 5.415 | 5.396 | 5.421 | PH | -8458      | -127403 | -2.67%  | -0.296% |
| 49 | 5.448 | 5.421 | 5.468 | PH | -8291      | -236753 | -4.95%  | -0.551% |
| 50 | 5.478 | 5.468 | 5.506 | PH | -8406      | -193267 | -4.04%  | -0.449% |
| 51 | 5.515 | 5.506 | 5.544 | PH | -8507      | -194886 | -4.08%  | -0.453% |
| 52 | 5.559 | 5.544 | 5.569 | PH | -8497      | -128577 | -2.69%  | -0.299% |
| 53 | 5.576 | 5.569 | 5.588 | PH | -8553      | -100411 | -2.10%  | -0.233% |
| 54 | 5.600 | 5.588 | 5.631 | PH | -8273      | -213924 | -4.48%  | -0.497% |
| 55 | 5.641 | 5.631 | 5.688 | PH | -8433      | -298030 | -6.24%  | -0.693% |
| 56 | 5.696 | 5.688 | 5.765 | PH | -8575      | -394778 | -8.26%  | -0.918% |
| 57 | 5.769 | 5.765 | 5.777 | PH | -8457      | -63435  | -1.33%  | -0.148% |
| 58 | 5.788 | 5.777 | 5.842 | PH | -8468      | -331897 | -6.94%  | -0.772% |
| 59 | 5.857 | 5.842 | 5.864 | PH | -8576      | -113726 | -2.38%  | -0.264% |
| 60 | 5.881 | 5.864 | 5.905 | PH | -8507      | -214373 | -4.49%  | -0.499% |
| 61 | 5.909 | 5.905 | 5.929 | PH | -8594      | -122710 | -2.57%  | -0.285% |
| 62 | 5.950 | 5.929 | 5.965 | PH | -8518      | -187147 | -3.92%  | -0.435% |
| 63 | 5.975 | 5.965 | 6.028 | PH | -8450      | -328143 | -6.87%  | -0.763% |
| 64 | 6.064 | 6.028 | 6.093 | PH | -8430      | -333582 | -6.98%  | -0.776% |
| 65 | 6.154 | 6.093 | 6.171 | PH | -8208      | -399089 | -8.35%  | -0.928% |
| 66 | 6.202 | 6.171 | 6.224 | PH | -8114      | -262791 | -5.50%  | -0.611% |
| 67 | 6.239 | 6.224 | 6.246 | PH | -8383      | -109553 | -2.29%  | -0.255% |
| 68 | 6.296 | 6.246 | 6.364 | PH | -4506      | -551956 | -11.55% | -1.284% |
| 69 | 6.395 | 6.364 | 6.434 | PH | -7503      | -332162 | -6.95%  | -0.772% |
| 70 | 6.449 | 6.434 | 6.508 | PH | -7930      | -365504 | -7.65%  | -0.850% |
| 71 | 6.536 | 6.508 | 6.557 | PH | -8259      | -241839 | -5.06%  | -0.562% |
| 72 | 6.588 | 6.557 | 6.628 | PH | 28720      | 15185   | 0.32%   | 0.035%  |
| 73 | 6.640 | 6.628 | 6.722 | PH | -6518      | -417822 | -8.74%  | -0.972% |
| 74 | 6.730 | 6.722 | 6.737 | PH | -7961      | -73810  | -1.54%  | -0.172% |
| 75 | 6.756 | 6.737 | 6.842 | PH | -7279      | -487140 | -10.19% | -1.133% |
| 76 | 6.854 | 6.842 | 6.864 | PH | -8115      | -109503 | -2.29%  | -0.255% |
| 77 | 6.878 | 6.864 | 7.019 | PH | -8086      | -776337 | -16.24% | -1.805% |
| 78 | 7.029 | 7.019 | 7.042 | PH | -8416      | -113331 | -2.37%  | -0.264% |
| 79 | 7.052 | 7.042 | 7.072 | PH | -8270      | -153438 | -3.21%  | -0.357% |
| 80 | 7.089 | 7.072 | 7.098 | PH | -8353      | -132678 | -2.78%  | -0.309% |
| 81 | 7.106 | 7.098 | 7.131 | PH | -8361      | -161919 | -3.39%  | -0.377% |
| 82 | 7.142 | 7.131 | 7.152 | PH | -8321      | -109472 | -2.29%  | -0.255% |
| 83 | 7.159 | 7.152 | 7.172 | PH | -8337      | -97357  | -2.04%  | -0.226% |
| 84 | 7.218 | 7.172 | 7.234 | PH | -7799      | -308616 | -6.46%  | -0.718% |
| 85 | 7.292 | 7.234 | 7.356 | PH | -7875      | -601383 | -12.58% | -1.398% |
| 86 | 7.409 | 7.356 | 7.456 | PH | -8073      | -494980 | -10.36% | -1.151% |
| 87 | 7.468 | 7.456 | 7.490 | PH | -8193      | -173833 | -3.64%  | -0.404% |
| 88 | 7.511 | 7.490 | 7.550 | PH | -8071      | -299443 | -6.27%  | -0.696% |
| 89 | 7.562 | 7.550 | 7.591 | PH | -8270      | -203617 | -4.26%  | -0.473% |

| rteres.txt |        |        |        |    |       |         |         |         |
|------------|--------|--------|--------|----|-------|---------|---------|---------|
| 90         | 7.600  | 7.591  | 7.659  | PH | -8252 | -342806 | -7.17%  | -0.797% |
| 91         | 7.681  | 7.659  | 7.736  | PH | -8288 | -386747 | -8.09%  | -0.899% |
| 92         | 7.801  | 7.736  | 7.845  | PH | -7136 | -533142 | -11.16% | -1.240% |
| 93         | 7.920  | 7.845  | 7.952  | PH | -7095 | -504605 | -10.56% | -1.173% |
| 94         | 7.970  | 7.952  | 8.062  | PH | -6125 | -519631 | -10.87% | -1.208% |
| 95         | 8.074  | 8.062  | 8.102  | PH | -8166 | -198894 | -4.16%  | -0.463% |
| 96         | 8.130  | 8.102  | 8.182  | PH | -7949 | -387926 | -8.12%  | -0.902% |
| 97         | 8.202  | 8.182  | 8.220  | PH | -7847 | -186840 | -3.91%  | -0.434% |
| 98         | 8.239  | 8.220  | 8.266  | PH | -7421 | -212694 | -4.45%  | -0.495% |
| 99         | 8.291  | 8.266  | 8.325  | PH | -7309 | -274596 | -5.75%  | -0.639% |
| 100        | 8.382  | 8.325  | 8.425  | PH | -6822 | -461379 | -9.65%  | -1.073% |
| 101        | 8.455  | 8.425  | 8.541  | PH | 92168 | 555605  | 11.63%  | 1.292%  |
| 102        | 8.552  | 8.541  | 8.602  | PH | -5897 | -249157 | -5.21%  | -0.579% |
| 103        | 8.627  | 8.602  | 8.689  | PH | -7031 | -381223 | -7.98%  | -0.887% |
| 104        | 8.704  | 8.689  | 8.730  | PH | -7381 | -185853 | -3.89%  | -0.432% |
| 105        | 8.752  | 8.730  | 8.768  | PH | -7180 | -169230 | -3.54%  | -0.394% |
| 106        | 8.779  | 8.768  | 8.798  | PH | -7466 | -133839 | -2.80%  | -0.311% |
| 107        | 8.820  | 8.798  | 8.836  | PH | -6518 | -161226 | -3.37%  | -0.375% |
| 108        | 8.849  | 8.836  | 8.861  | PH | -6740 | -105312 | -2.20%  | -0.245% |
| 109        | 8.884  | 8.861  | 8.905  | PH | -6722 | -181826 | -3.80%  | -0.423% |
| 110        | 8.916  | 8.905  | 8.960  | PH | -6167 | -230647 | -4.83%  | -0.536% |
| 111        | 8.973  | 8.960  | 8.992  | PH | -7402 | -144738 | -3.03%  | -0.337% |
| 112        | 9.019  | 8.992  | 9.049  | PH | -7428 | -257080 | -5.38%  | -0.598% |
| 113        | 9.058  | 9.049  | 9.100  | PH | -7492 | -230272 | -4.82%  | -0.535% |
| 114        | 9.135  | 9.100  | 9.185  | PH | -6698 | -360275 | -7.54%  | -0.838% |
| 115        | 9.208  | 9.185  | 9.262  | PH | -5746 | -320899 | -6.71%  | -0.746% |
| 116        | 9.295  | 9.262  | 9.330  | PH | -7102 | -298128 | -6.24%  | -0.693% |
| 117        | 9.348  | 9.330  | 9.358  | PH | -7204 | -124145 | -2.60%  | -0.289% |
| 118        | 9.391  | 9.358  | 9.423  | PH | -5769 | -263992 | -5.52%  | -0.614% |
| 119        | 9.432  | 9.423  | 9.464  | PH | -7039 | -174905 | -3.66%  | -0.407% |
| 120        | 9.503  | 9.464  | 9.518  | PH | -6773 | -230372 | -4.82%  | -0.536% |
| 121        | 9.526  | 9.518  | 9.555  | PH | -6926 | -155269 | -3.25%  | -0.361% |
| 122        | 9.583  | 9.555  | 9.594  | PH | -6076 | -153821 | -3.22%  | -0.358% |
| 123        | 9.607  | 9.594  | 9.636  | PH | -5700 | -157418 | -3.29%  | -0.366% |
| 124        | 9.653  | 9.636  | 9.673  | PH | -6390 | -145076 | -3.04%  | -0.337% |
| 125        | 9.681  | 9.673  | 9.700  | PH | -6497 | -108927 | -2.28%  | -0.253% |
| 126        | 9.716  | 9.700  | 9.731  | PH | -6492 | -119116 | -2.49%  | -0.277% |
| 127        | 9.744  | 9.731  | 9.759  | PH | -6182 | -107924 | -2.26%  | -0.251% |
| 128        | 9.769  | 9.759  | 9.789  | PH | -6452 | -120027 | -2.51%  | -0.279% |
| 129        | 9.827  | 9.789  | 9.885  | PH | -5336 | -376333 | -7.87%  | -0.875% |
| 130        | 9.908  | 9.885  | 9.922  | PH | -6236 | -143229 | -3.00%  | -0.333% |
| 131        | 9.941  | 9.922  | 9.969  | PH | -5870 | -175031 | -3.66%  | -0.407% |
| 132        | 9.988  | 9.969  | 10.009 | PH | -4328 | -136190 | -2.85%  | -0.317% |
| 133        | 10.018 | 10.009 | 10.031 | PH | -6283 | -83231  | -1.74%  | -0.194% |
| 134        | 10.054 | 10.031 | 10.070 | PH | -5978 | -145346 | -3.04%  | -0.338% |
| 135        | 10.080 | 10.070 | 10.105 | PH | -6158 | -131420 | -2.75%  | -0.306% |
| 136        | 10.113 | 10.105 | 10.145 | PH | -6166 | -151140 | -3.16%  | -0.351% |
| 137        | 10.164 | 10.145 | 10.181 | PH | -6077 | -137271 | -2.87%  | -0.319% |
| 138        | 10.200 | 10.181 | 10.212 | PH | -6250 | -115168 | -2.41%  | -0.268% |
| 139        | 10.217 | 10.212 | 10.241 | PH | -6259 | -111969 | -2.34%  | -0.260% |
| 140        | 10.264 | 10.241 | 10.288 | PH | -6082 | -173321 | -3.63%  | -0.403% |
| 141        | 10.334 | 10.288 | 10.349 | PH | -5270 | -220075 | -4.60%  | -0.512% |

|     |        |        |        |    | rteres.txt |         |        |         |
|-----|--------|--------|--------|----|------------|---------|--------|---------|
| 142 | 10.378 | 10.349 | 10.394 | PH | -4480      | -141774 | -2.97% | -0.330% |
| 143 | 10.410 | 10.394 | 10.445 | PH | -4167      | -155756 | -3.26% | -0.362% |
| 144 | 10.468 | 10.445 | 10.496 | PH | -5033      | -161372 | -3.38% | -0.375% |
| 145 | 10.522 | 10.496 | 10.563 | PH | -4811      | -211945 | -4.43% | -0.493% |
| 146 | 10.623 | 10.563 | 10.636 | PH | -4524      | -226377 | -4.74% | -0.526% |
| 147 | 10.655 | 10.636 | 10.678 | PH | -4143      | -116640 | -2.44% | -0.271% |
| 148 | 10.705 | 10.678 | 10.714 | PH | -3391      | -87681  | -1.83% | -0.204% |
| 149 | 10.728 | 10.714 | 10.768 | PH | -2434      | -127123 | -2.66% | -0.296% |
| 150 | 10.798 | 10.768 | 10.824 | PH | -2933      | -136705 | -2.86% | -0.318% |
| 151 | 10.848 | 10.824 | 10.931 | PH | -3659      | -279234 | -5.84% | -0.649% |
| 152 | 10.966 | 10.931 | 10.997 | PH | -4035      | -171516 | -3.59% | -0.399% |
| 153 | 11.026 | 10.997 | 11.092 | PH | 222        | -140402 | -2.94% | -0.326% |
| 154 | 11.126 | 11.092 | 11.172 | PH | -3059      | -160438 | -3.36% | -0.373% |
| 155 | 11.185 | 11.172 | 11.198 | PH | -3364      | -56737  | -1.19% | -0.132% |
| 156 | 11.215 | 11.198 | 11.228 | PH | -3065      | -58880  | -1.23% | -0.137% |
| 157 | 11.239 | 11.228 | 11.256 | PH | -3057      | -55088  | -1.15% | -0.128% |
| 158 | 11.283 | 11.256 | 11.310 | PH | -3288      | -111459 | -2.33% | -0.259% |
| 159 | 11.373 | 11.310 | 11.396 | PH | -2682      | -161206 | -3.37% | -0.375% |
| 160 | 11.432 | 11.396 | 11.495 | PH | -866       | -140441 | -2.94% | -0.327% |
| 161 | 11.522 | 11.495 | 11.572 | PH | -1011      | -101987 | -2.13% | -0.237% |
| 162 | 11.599 | 11.572 | 11.612 | PH | -2273      | -61096  | -1.28% | -0.142% |
| 163 | 11.630 | 11.612 | 11.657 | PH | -1857      | -62384  | -1.31% | -0.145% |
| 164 | 11.681 | 11.657 | 11.693 | PH | -2065      | -48609  | -1.02% | -0.113% |
| 165 | 11.736 | 11.693 | 11.749 | PH | -1741      | -64774  | -1.36% | -0.151% |
| 166 | 11.765 | 11.749 | 11.782 | PH | -1551      | -36306  | -0.76% | -0.084% |
| 167 | 11.841 | 11.782 | 11.859 | PH | 39         | -52528  | -1.10% | -0.122% |
| 168 | 11.905 | 11.859 | 11.928 | PH | -439       | -26370  | -0.55% | -0.061% |
| 169 | 11.947 | 11.928 | 11.968 | PH | 613        | -3691   | -0.08% | -0.009% |
| 170 | 11.989 | 11.968 | 12.044 | PH | -106       | -23922  | -0.50% | -0.056% |
| 171 | 12.064 | 12.044 | 12.076 | PH | 385        | -3178   | -0.07% | -0.007% |
| 172 | 12.104 | 12.076 | 12.145 | PH | 1832       | 13088   | 0.27%  | 0.030%  |
| 173 | 12.163 | 12.145 | 12.196 | PH | 425        | -135    | -0.00% | -0.000% |
| 174 | 12.210 | 12.196 | 12.225 | PH | 404        | 2059    | 0.04%  | 0.005%  |
| 175 | 12.254 | 12.225 | 12.291 | PH | 972        | 15483   | 0.32%  | 0.036%  |
| 176 | 12.322 | 12.291 | 12.335 | PH | 769        | 11755   | 0.25%  | 0.027%  |
| 177 | 12.346 | 12.335 | 12.362 | HH | 1095       | 13442   | 0.28%  | 0.031%  |
| 178 | 12.376 | 12.362 | 12.396 | HH | 1052       | 16029   | 0.34%  | 0.037%  |
| 179 | 12.445 | 12.396 | 12.462 | HH | 1322       | 35098   | 0.73%  | 0.082%  |
| 180 | 12.486 | 12.462 | 12.496 | HH | 1082       | 15447   | 0.32%  | 0.036%  |
| 181 | 12.516 | 12.496 | 12.532 | HH | 1694       | 25600   | 0.54%  | 0.060%  |
| 182 | 12.541 | 12.532 | 12.559 | HH | 1118       | 14452   | 0.30%  | 0.034%  |
| 183 | 12.573 | 12.559 | 12.585 | HH | 1094       | 14250   | 0.30%  | 0.033%  |
| 184 | 12.606 | 12.585 | 12.641 | HH | 1467       | 39669   | 0.83%  | 0.092%  |
| 185 | 12.689 | 12.641 | 12.697 | HH | 1653       | 41603   | 0.87%  | 0.097%  |
| 186 | 12.719 | 12.697 | 12.733 | HH | 2665       | 47871   | 1.00%  | 0.111%  |
| 187 | 12.748 | 12.733 | 12.788 | HH | 3450       | 80635   | 1.69%  | 0.188%  |
| 188 | 12.804 | 12.788 | 12.822 | HH | 2686       | 44626   | 0.93%  | 0.104%  |
| 189 | 12.841 | 12.822 | 12.932 | HH | 28512      | 535916  | 11.21% | 1.246%  |
| 190 | 12.968 | 12.932 | 12.984 | HH | 2322       | 64771   | 1.36%  | 0.151%  |
| 191 | 13.033 | 12.984 | 13.102 | HH | 2923       | 174542  | 3.65%  | 0.406%  |
| 192 | 13.144 | 13.102 | 13.188 | HH | 23802      | 446350  | 9.34%  | 1.038%  |
| 193 | 13.207 | 13.188 | 13.229 | HH | 5509       | 113484  | 2.37%  | 0.264%  |
| 194 | 13.247 | 13.229 | 13.322 | HH | 4957       | 225795  | 4.72%  | 0.525%  |

|     |        |        |        |    |            |         |         |         |
|-----|--------|--------|--------|----|------------|---------|---------|---------|
|     |        |        |        |    | rteres.txt |         |         |         |
| 195 | 13.359 | 13.322 | 13.392 | HH | 4506       | 157989  | 3.31%   | 0.367%  |
| 196 | 13.415 | 13.392 | 13.508 | HH | 4788       | 262966  | 5.50%   | 0.612%  |
| 197 | 13.534 | 13.508 | 13.552 | HH | 3654       | 86443   | 1.81%   | 0.201%  |
| 198 | 13.617 | 13.552 | 13.705 | HH | 4462       | 338011  | 7.07%   | 0.786%  |
| 199 | 13.750 | 13.705 | 13.792 | HH | 6687       | 233438  | 4.88%   | 0.543%  |
| 200 | 13.808 | 13.792 | 13.832 | HH | 4285       | 91517   | 1.91%   | 0.213%  |
| 201 | 13.861 | 13.832 | 13.882 | HH | 4202       | 112389  | 2.35%   | 0.261%  |
| 202 | 13.905 | 13.882 | 13.982 | HH | 5277       | 260099  | 5.44%   | 0.605%  |
| 203 | 14.018 | 13.982 | 14.052 | HH | 4610       | 172190  | 3.60%   | 0.400%  |
| 204 | 14.071 | 14.052 | 14.142 | HH | 3968       | 188091  | 3.94%   | 0.437%  |
| 205 | 14.177 | 14.142 | 14.208 | HH | 4104       | 144348  | 3.02%   | 0.336%  |
| 206 | 14.246 | 14.208 | 14.294 | HH | 3654       | 176456  | 3.69%   | 0.410%  |
| 207 | 14.319 | 14.294 | 14.368 | HH | 4568       | 170765  | 3.57%   | 0.397%  |
| 208 | 14.385 | 14.368 | 14.403 | HH | 3839       | 77551   | 1.62%   | 0.180%  |
| 209 | 14.470 | 14.403 | 14.492 | HH | 4514       | 215122  | 4.50%   | 0.500%  |
| 210 | 14.516 | 14.492 | 14.572 | HH | 6486       | 228920  | 4.79%   | 0.532%  |
| 211 | 14.598 | 14.572 | 14.652 | HH | 5922       | 227444  | 4.76%   | 0.529%  |
| 212 | 14.673 | 14.652 | 14.700 | HH | 6393       | 152499  | 3.19%   | 0.355%  |
| 213 | 14.724 | 14.700 | 14.745 | HH | 5978       | 139664  | 2.92%   | 0.325%  |
| 214 | 14.760 | 14.745 | 14.814 | HH | 4926       | 182534  | 3.82%   | 0.424%  |
| 215 | 14.855 | 14.814 | 14.998 | HH | 374219     | 4779105 | 100.00% | 11.113% |
| 216 | 15.079 | 14.998 | 15.158 | HH | 18914      | 766185  | 16.03%  | 1.782%  |
| 217 | 15.203 | 15.158 | 15.238 | HH | 5725       | 185879  | 3.89%   | 0.432%  |
| 218 | 15.260 | 15.238 | 15.296 | HH | 4018       | 118048  | 2.47%   | 0.275%  |
| 219 | 15.438 | 15.296 | 15.558 | HH | 45822      | 1393081 | 29.15%  | 3.239%  |
| 220 | 15.600 | 15.558 | 15.645 | HH | 88222      | 1256900 | 26.30%  | 2.923%  |
| 221 | 15.659 | 15.645 | 15.695 | HH | 7632       | 179791  | 3.76%   | 0.418%  |
| 222 | 15.725 | 15.695 | 15.745 | HH | 7494       | 181432  | 3.80%   | 0.422%  |
| 223 | 15.760 | 15.745 | 15.842 | HH | 6341       | 290017  | 6.07%   | 0.674%  |
| 224 | 15.866 | 15.842 | 15.938 | HH | 5603       | 261882  | 5.48%   | 0.609%  |
| 225 | 15.954 | 15.938 | 15.982 | HH | 3896       | 93733   | 1.96%   | 0.218%  |
| 226 | 15.996 | 15.982 | 16.024 | HH | 3930       | 89065   | 1.86%   | 0.207%  |
| 227 | 16.079 | 16.024 | 16.128 | HH | 7526       | 303968  | 6.36%   | 0.707%  |
| 228 | 16.147 | 16.128 | 16.195 | HH | 4392       | 145101  | 3.04%   | 0.337%  |
| 229 | 16.221 | 16.195 | 16.265 | HH | 3848       | 139974  | 2.93%   | 0.325%  |
| 230 | 16.299 | 16.265 | 16.345 | HH | 3933       | 157188  | 3.29%   | 0.366%  |
| 231 | 16.410 | 16.345 | 16.470 | HH | 5480       | 303985  | 6.36%   | 0.707%  |
| 232 | 16.562 | 16.470 | 16.581 | HH | 10101      | 359033  | 7.51%   | 0.835%  |
| 233 | 16.607 | 16.581 | 16.679 | HH | 27004      | 725613  | 15.18%  | 1.687%  |
| 234 | 16.708 | 16.679 | 16.832 | HH | 10802      | 612129  | 12.81%  | 1.423%  |
| 235 | 16.932 | 16.832 | 16.975 | HH | 19079      | 694493  | 14.53%  | 1.615%  |
| 236 | 16.999 | 16.975 | 17.016 | HH | 19522      | 334119  | 6.99%   | 0.777%  |
| 237 | 17.029 | 17.016 | 17.054 | HH | 17022      | 291836  | 6.11%   | 0.679%  |
| 238 | 17.081 | 17.054 | 17.138 | HH | 23164      | 629546  | 13.17%  | 1.464%  |
| 239 | 17.170 | 17.138 | 17.192 | HH | 10223      | 289497  | 6.06%   | 0.673%  |
| 240 | 17.246 | 17.192 | 17.267 | HH | 11171      | 456742  | 9.56%   | 1.062%  |
| 241 | 17.301 | 17.267 | 17.328 | HH | 15032      | 446591  | 9.34%   | 1.039%  |
| 242 | 17.364 | 17.328 | 17.408 | HH | 13839      | 589252  | 12.33%  | 1.370%  |
| 243 | 17.433 | 17.408 | 17.455 | HH | 15832      | 371577  | 7.78%   | 0.864%  |
| 244 | 17.481 | 17.455 | 17.518 | HH | 26373      | 614656  | 12.86%  | 1.429%  |
| 245 | 17.567 | 17.518 | 17.648 | HH | 14726      | 911079  | 19.06%  | 2.119%  |
| 246 | 17.672 | 17.648 | 17.758 | HH | 12113      | 596819  | 12.49%  | 1.388%  |

|     |        |        |        |    | rteres.txt |         |        |        |
|-----|--------|--------|--------|----|------------|---------|--------|--------|
| 247 | 17.799 | 17.758 | 17.858 | HH | 8251       | 441579  | 9.24%  | 1.027% |
| 248 | 17.920 | 17.858 | 17.962 | HH | 18531      | 570152  | 11.93% | 1.326% |
| 249 | 18.013 | 17.962 | 18.052 | HH | 14850      | 440808  | 9.22%  | 1.025% |
| 250 | 18.086 | 18.052 | 18.142 | HH | 10668      | 421814  | 8.83%  | 0.981% |
| 251 | 18.191 | 18.142 | 18.235 | HH | 9040       | 438089  | 9.17%  | 1.019% |
| 252 | 18.286 | 18.235 | 18.322 | HH | 19292      | 624185  | 13.06% | 1.451% |
| 253 | 18.344 | 18.322 | 18.366 | HH | 22724      | 428801  | 8.97%  | 0.997% |
| 254 | 18.386 | 18.366 | 18.435 | HH | 20161      | 586726  | 12.28% | 1.364% |
| 255 | 18.451 | 18.435 | 18.504 | HH | 14165      | 465785  | 9.75%  | 1.083% |
| 256 | 18.551 | 18.504 | 18.587 | HH | 10968      | 495333  | 10.36% | 1.152% |
| 257 | 18.642 | 18.587 | 18.708 | HH | 21243      | 922794  | 19.31% | 2.146% |
| 258 | 18.752 | 18.708 | 18.829 | HH | 20247      | 847051  | 17.72% | 1.970% |
| 259 | 18.858 | 18.829 | 18.905 | HH | 16581      | 529650  | 11.08% | 1.232% |
| 260 | 18.928 | 18.905 | 18.995 | HH | 12484      | 534713  | 11.19% | 1.243% |
| 261 | 19.053 | 18.995 | 19.075 | HH | 10141      | 443649  | 9.28%  | 1.032% |
| 262 | 19.154 | 19.075 | 19.238 | HH | 18096      | 1229174 | 25.72% | 2.858% |
| 263 | 19.266 | 19.238 | 19.285 | HH | 13603      | 363023  | 7.60%  | 0.844% |
| 264 | 19.309 | 19.285 | 19.375 | HH | 15940      | 733582  | 15.35% | 1.706% |
| 265 | 19.411 | 19.375 | 19.455 | HH | 14020      | 613094  | 12.83% | 1.426% |
| 266 | 19.472 | 19.455 | 19.500 | HH | 13388      | 342924  | 7.18%  | 0.797% |
| 267 | 19.539 | 19.500 | 19.568 | HH | 18480      | 570062  | 11.93% | 1.326% |
| 268 | 19.629 | 19.568 | 19.698 | HH | 16014      | 1033711 | 21.63% | 2.404% |
| 269 | 19.741 | 19.698 | 19.765 | HH | 15487      | 534239  | 11.18% | 1.242% |
| 270 | 19.819 | 19.765 | 19.858 | HH | 17280      | 802084  | 16.78% | 1.865% |
| 271 | 19.916 | 19.858 | 19.996 | HH | 26581      | 1370145 | 28.67% | 3.186% |
| 272 | 20.015 | 19.996 | 20.068 | HH | 14845      | 599882  | 12.55% | 1.395% |
| 273 | 20.104 | 20.068 | 20.125 | HH | 14449      | 471267  | 9.86%  | 1.096% |
| 274 | 20.152 | 20.125 | 20.168 | HH | 15561      | 379391  | 7.94%  | 0.882% |
| 275 | 20.202 | 20.168 | 20.245 | HH | 20012      | 784655  | 16.42% | 1.825% |
| 276 | 20.281 | 20.245 | 20.304 | HH | 20360      | 605311  | 12.67% | 1.408% |
| 277 | 20.324 | 20.304 | 20.352 | HH | 17213      | 466242  | 9.76%  | 1.084% |
| 278 | 20.367 | 20.352 | 20.425 | HH | 16309      | 692906  | 14.50% | 1.611% |
| 279 | 20.455 | 20.425 | 20.488 | HH | 16993      | 597930  | 12.51% | 1.390% |
| 280 | 20.544 | 20.488 | 20.582 | HH | 17248      | 884977  | 18.52% | 2.058% |
| 281 | 20.649 | 20.582 | 20.734 | HH | 19497      | 1458438 | 30.52% | 3.391% |
| 282 | 20.766 | 20.734 | 20.786 | HH | 15346      | 467858  | 9.79%  | 1.088% |
| 283 | 20.821 | 20.786 | 20.878 | HH | 16483      | 861991  | 18.04% | 2.004% |
| 284 | 20.909 | 20.878 | 21.018 | HH | 15235      | 1257676 | 26.32% | 2.925% |
| 285 | 21.052 | 21.018 | 21.175 | HH | 18482      | 1389904 | 29.08% | 3.232% |
| 286 | 21.211 | 21.175 | 21.255 | HH | 14198      | 672598  | 14.07% | 1.564% |
| 287 | 21.314 | 21.255 | 21.362 | HH | 14610      | 912227  | 19.09% | 2.121% |
| 288 | 21.395 | 21.362 | 21.442 | HH | 15631      | 706493  | 14.78% | 1.643% |
| 289 | 21.504 | 21.442 | 21.590 | HH | 17137      | 1299382 | 27.19% | 3.022% |
| 290 | 21.639 | 21.590 | 21.682 | HH | 13991      | 750184  | 15.70% | 1.744% |
| 291 | 21.757 | 21.682 | 21.888 | HH | 15312      | 1736498 | 36.34% | 4.038% |
| 292 | 21.906 | 21.888 | 21.954 | HH | 13093      | 507134  | 10.61% | 1.179% |
| 293 | 22.018 | 21.954 | 22.052 | HH | 15994      | 823015  | 17.22% | 1.914% |
| 294 | 22.069 | 22.052 | 22.117 | HH | 14315      | 538403  | 11.27% | 1.252% |
| 295 | 22.153 | 22.117 | 22.215 | HH | 14000      | 789217  | 16.51% | 1.835% |
| 296 | 22.238 | 22.215 | 22.291 | HH | 13083      | 593159  | 12.41% | 1.379% |
| 297 | 22.307 | 22.291 | 22.442 | HH | 13086      | 1131419 | 23.67% | 2.631% |
| 298 | 22.472 | 22.442 | 22.515 | HH | 12057      | 523849  | 10.96% | 1.218% |
| 299 | 22.522 | 22.515 | 22.539 | HH | 11874      | 168277  | 3.52%  | 0.391% |

|     |        |        |        |     |            |         |        |        |
|-----|--------|--------|--------|-----|------------|---------|--------|--------|
|     |        |        |        |     | rteres.txt |         |        |        |
| 300 | 22.605 | 22.539 | 22.751 | HH  | 14435      | 1577367 | 33.01% | 3.668% |
| 301 | 22.820 | 22.751 | 22.845 | HH  | 12309      | 682075  | 14.27% | 1.586% |
| 302 | 22.862 | 22.845 | 22.904 | HH  | 12346      | 430382  | 9.01%  | 1.001% |
| 303 | 22.935 | 22.904 | 23.085 | HH  | 12250      | 1242129 | 25.99% | 2.888% |
| 304 | 23.101 | 23.085 | 23.119 | HH  | 11018      | 222735  | 4.66%  | 0.518% |
| 305 | 23.187 | 23.119 | 23.212 | HH  | 11205      | 616718  | 12.90% | 1.434% |
| 306 | 23.282 | 23.212 | 23.365 | HH  | 13320      | 1079223 | 22.58% | 2.510% |
| 307 | 23.503 | 23.365 | 23.618 | HH  | 11626      | 1701636 | 35.61% | 3.957% |
| 308 | 23.650 | 23.618 | 23.678 | HH  | 10573      | 379072  | 7.93%  | 0.881% |
| 309 | 23.687 | 23.678 | 23.735 | HH  | 10521      | 354681  | 7.42%  | 0.825% |
| 310 | 23.825 | 23.735 | 23.908 | HH  | 10969      | 1105398 | 23.13% | 2.571% |
| 311 | 23.957 | 23.908 | 23.982 | HH  | 10591      | 466878  | 9.77%  | 1.086% |
| 312 | 24.062 | 23.982 | 24.332 | HH  | 12266      | 2237982 | 46.83% | 5.204% |
| 313 | 24.369 | 24.332 | 24.435 | HH  | 9866       | 610766  | 12.78% | 1.420% |
| 314 | 24.502 | 24.435 | 24.572 | HH  | 10108      | 817814  | 17.11% | 1.902% |
| 315 | 24.591 | 24.572 | 24.652 | HH  | 10009      | 477400  | 9.99%  | 1.110% |
| 316 | 24.673 | 24.652 | 24.708 | HH  | 10045      | 337864  | 7.07%  | 0.786% |
| 317 | 24.726 | 24.708 | 24.802 | HH  | 10114      | 559954  | 11.72% | 1.302% |
| 318 | 24.816 | 24.802 | 24.838 | HH  | 9989       | 215593  | 4.51%  | 0.501% |
| 319 | 24.871 | 24.838 | 24.912 | HH  | 10101      | 444105  | 9.29%  | 1.033% |
| 320 | 24.968 | 24.912 | 25.082 | HHA | 11127      | 1046498 | 21.90% | 2.434% |

Sum of corrected areas: 43003050

C44-FE102318.M Thu Nov 15 09:15:55 2018