

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_D\Data\FD100819AL\  
 Data File : FD030926.D  
 Signal(s) : FID2B.CH  
 Acq On : 08 Oct 2019 19:16  
 Sample : K5147-02  
 Misc :  
 ALS Vial : 58 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_D\methods\Alaphatic EPH 092519.M  
 Title : GC Extractables

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         | 3.272       | 3.255        | 3.281      | BV       | 2448           | 21127        | 0.10%          | 0.003%        |
| 2         | 3.295       | 3.281        | 3.353      | VV       | 5512           | 60119        | 0.29%          | 0.007%        |
| 3         | 3.373       | 3.353        | 3.383      | PV       | 534            | 4765         | 0.02%          | 0.001%        |
| 4         | 3.400       | 3.383        | 3.411      | VV       | 2476           | 23050        | 0.11%          | 0.003%        |
| 5         | 3.423       | 3.411        | 3.442      | VV       | 2261           | 24213        | 0.11%          | 0.003%        |
| 6         | 3.454       | 3.442        | 3.466      | VV       | 1892           | 20214        | 0.10%          | 0.002%        |
| 7         | 3.478       | 3.466        | 3.501      | VV       | 1812           | 24400        | 0.12%          | 0.003%        |
| 8         | 3.514       | 3.501        | 3.524      | VV       | 1720           | 13339        | 0.06%          | 0.002%        |
| 9         | 3.545       | 3.524        | 3.569      | VV       | 5296           | 74953        | 0.36%          | 0.009%        |
| 10        | 3.604       | 3.569        | 3.619      | VV       | 3149           | 48236        | 0.23%          | 0.006%        |
| 11        | 3.646       | 3.619        | 3.688      | VV       | 9321           | 174101       | 0.83%          | 0.021%        |
| 12        | 3.717       | 3.688        | 3.749      | VV       | 9616           | 136857       | 0.65%          | 0.017%        |
| 13        | 3.765       | 3.749        | 3.792      | VV       | 4325           | 51406        | 0.24%          | 0.006%        |
| 14        | 3.809       | 3.792        | 3.831      | VV       | 26379          | 221396       | 1.05%          | 0.027%        |
| 15        | 3.858       | 3.831        | 3.904      | VV       | 5392           | 127749       | 0.61%          | 0.015%        |
| 16        | 3.941       | 3.904        | 3.951      | PV       | 5718           | 81460        | 0.39%          | 0.010%        |
| 17        | 3.965       | 3.951        | 3.984      | VV       | 8708           | 104318       | 0.49%          | 0.013%        |
| 18        | 3.999       | 3.984        | 4.015      | VV       | 5804           | 76800        | 0.36%          | 0.009%        |
| 19        | 4.030       | 4.015        | 4.054      | VV       | 8549           | 103839       | 0.49%          | 0.013%        |
| 20        | 4.076       | 4.054        | 4.088      | VV       | 4921           | 56683        | 0.27%          | 0.007%        |
| 21        | 4.112       | 4.088        | 4.124      | VV       | 5059           | 91507        | 0.43%          | 0.011%        |
| 22        | 4.139       | 4.124        | 4.158      | VV       | 7238           | 91352        | 0.43%          | 0.011%        |
| 23        | 4.178       | 4.158        | 4.213      | VV       | 8910           | 111756       | 0.53%          | 0.014%        |
| 24        | 4.247       | 4.213        | 4.265      | PV       | 7333           | 86854        | 0.41%          | 0.011%        |
| 25        | 4.302       | 4.265        | 4.314      | VV       | 6130           | 111500       | 0.53%          | 0.013%        |
| 26        | 4.334       | 4.314        | 4.359      | VV       | 5592           | 106411       | 0.50%          | 0.013%        |
| 27        | 4.373       | 4.359        | 4.386      | VV       | 3405           | 37582        | 0.18%          | 0.005%        |
| 28        | 4.401       | 4.386        | 4.428      | VV       | 6447           | 84515        | 0.40%          | 0.010%        |
| 29        | 4.444       | 4.428        | 4.461      | VV       | 1579           | 24939        | 0.12%          | 0.003%        |
| 30        | 4.491       | 4.461        | 4.512      | VV       | 5941           | 114672       | 0.54%          | 0.014%        |
| 31        | 4.530       | 4.512        | 4.543      | VV       | 11516          | 145182       | 0.69%          | 0.018%        |
| 32        | 4.553       | 4.543        | 4.569      | VV       | 8138           | 103374       | 0.49%          | 0.013%        |
| 33        | 4.585       | 4.569        | 4.602      | VV       | 21122          | 205762       | 0.98%          | 0.025%        |
| 34        | 4.612       | 4.602        | 4.622      | VV       | 5983           | 58643        | 0.28%          | 0.007%        |
| 35        | 4.637       | 4.622        | 4.649      | VV       | 7382           | 98693        | 0.47%          | 0.012%        |
| 36        | 4.659       | 4.649        | 4.675      | VV       | 8088           | 89771        | 0.43%          | 0.011%        |

| rteres |       |       |       |    |       |        |       |        |
|--------|-------|-------|-------|----|-------|--------|-------|--------|
| 37     | 4.702 | 4.675 | 4.717 | VV | 7394  | 119798 | 0.57% | 0.014% |
| 38     | 4.735 | 4.717 | 4.769 | VV | 26774 | 352169 | 1.67% | 0.043% |
| 39     | 4.800 | 4.769 | 4.830 | VV | 15852 | 237178 | 1.13% | 0.029% |
| 40     | 4.868 | 4.830 | 4.906 | VV | 6187  | 187739 | 0.89% | 0.023% |
| 41     | 4.952 | 4.906 | 4.962 | PV | 9513  | 166078 | 0.79% | 0.020% |
| 42     | 4.969 | 4.962 | 4.993 | VV | 8126  | 93292  | 0.44% | 0.011% |
| 43     | 5.016 | 4.993 | 5.029 | VV | 6959  | 105497 | 0.50% | 0.013% |
| 44     | 5.044 | 5.029 | 5.055 | VV | 13087 | 137417 | 0.65% | 0.017% |
| 45     | 5.065 | 5.055 | 5.108 | VV | 10982 | 193836 | 0.92% | 0.023% |
| 46     | 5.133 | 5.108 | 5.144 | VV | 4843  | 70063  | 0.33% | 0.008% |
| 47     | 5.162 | 5.144 | 5.176 | VV | 7557  | 108019 | 0.51% | 0.013% |
| 48     | 5.184 | 5.176 | 5.195 | VV | 5707  | 56842  | 0.27% | 0.007% |
| 49     | 5.220 | 5.195 | 5.236 | VV | 8235  | 148857 | 0.71% | 0.018% |
| 50     | 5.252 | 5.236 | 5.267 | VV | 12195 | 140725 | 0.67% | 0.017% |
| 51     | 5.279 | 5.267 | 5.299 | VV | 7314  | 103546 | 0.49% | 0.013% |
| 52     | 5.310 | 5.299 | 5.331 | VV | 4647  | 66968  | 0.32% | 0.008% |
| 53     | 5.383 | 5.331 | 5.410 | VV | 16908 | 385917 | 1.83% | 0.047% |
| 54     | 5.431 | 5.410 | 5.467 | VV | 6349  | 140834 | 0.67% | 0.017% |
| 55     | 5.485 | 5.467 | 5.498 | VV | 4145  | 58456  | 0.28% | 0.007% |
| 56     | 5.507 | 5.498 | 5.519 | VV | 3481  | 39096  | 0.19% | 0.005% |
| 57     | 5.541 | 5.519 | 5.568 | VV | 21890 | 294418 | 1.40% | 0.036% |
| 58     | 5.589 | 5.568 | 5.602 | VV | 6584  | 96408  | 0.46% | 0.012% |
| 59     | 5.612 | 5.602 | 5.625 | VV | 5102  | 66416  | 0.32% | 0.008% |
| 60     | 5.644 | 5.625 | 5.686 | VV | 14713 | 290594 | 1.38% | 0.035% |
| 61     | 5.705 | 5.686 | 5.716 | VV | 5076  | 69734  | 0.33% | 0.008% |
| 62     | 5.730 | 5.716 | 5.743 | VV | 6364  | 75412  | 0.36% | 0.009% |
| 63     | 5.766 | 5.743 | 5.790 | VV | 6709  | 118707 | 0.56% | 0.014% |
| 64     | 5.814 | 5.790 | 5.833 | PV | 7173  | 88632  | 0.42% | 0.011% |
| 65     | 5.865 | 5.833 | 5.885 | VV | 9463  | 173779 | 0.82% | 0.021% |
| 66     | 5.909 | 5.885 | 5.933 | VV | 13977 | 214180 | 1.02% | 0.026% |
| 67     | 5.954 | 5.933 | 5.973 | VV | 8543  | 126392 | 0.60% | 0.015% |
| 68     | 6.000 | 5.973 | 6.020 | VV | 8188  | 130656 | 0.62% | 0.016% |
| 69     | 6.042 | 6.020 | 6.068 | VV | 8561  | 183665 | 0.87% | 0.022% |
| 70     | 6.082 | 6.068 | 6.107 | VV | 7439  | 141644 | 0.67% | 0.017% |
| 71     | 6.122 | 6.107 | 6.130 | VV | 6230  | 71593  | 0.34% | 0.009% |
| 72     | 6.143 | 6.130 | 6.160 | VV | 7504  | 107780 | 0.51% | 0.013% |
| 73     | 6.174 | 6.160 | 6.196 | VV | 6547  | 105551 | 0.50% | 0.013% |
| 74     | 6.217 | 6.196 | 6.233 | VV | 7666  | 112135 | 0.53% | 0.014% |
| 75     | 6.264 | 6.233 | 6.322 | VV | 8648  | 306448 | 1.45% | 0.037% |
| 76     | 6.336 | 6.322 | 6.387 | VV | 10403 | 200446 | 0.95% | 0.024% |
| 77     | 6.425 | 6.387 | 6.437 | VV | 5844  | 104103 | 0.49% | 0.013% |
| 78     | 6.484 | 6.437 | 6.503 | VV | 19101 | 311405 | 1.48% | 0.038% |
| 79     | 6.523 | 6.503 | 6.546 | VV | 15395 | 228410 | 1.08% | 0.028% |
| 80     | 6.556 | 6.546 | 6.567 | VV | 4294  | 41018  | 0.19% | 0.005% |
| 81     | 6.612 | 6.567 | 6.629 | VV | 7246  | 171694 | 0.81% | 0.021% |
| 82     | 6.655 | 6.629 | 6.680 | VV | 8374  | 173804 | 0.82% | 0.021% |
| 83     | 6.691 | 6.680 | 6.703 | VV | 5275  | 58586  | 0.28% | 0.007% |
| 84     | 6.732 | 6.703 | 6.765 | VV | 12521 | 220236 | 1.04% | 0.027% |
| 85     | 6.792 | 6.765 | 6.811 | VV | 6577  | 138199 | 0.66% | 0.017% |
| 86     | 6.830 | 6.811 | 6.841 | VV | 10075 | 131195 | 0.62% | 0.016% |
| 87     | 6.853 | 6.841 | 6.872 | VV | 11474 | 154982 | 0.74% | 0.019% |
| 88     | 6.891 | 6.872 | 6.918 | VV | 13590 | 209712 | 0.99% | 0.025% |
| 89     | 6.955 | 6.918 | 6.980 | VV | 23915 | 414982 | 1.97% | 0.050% |

|     |       |       |       |    |        |        |       |        |
|-----|-------|-------|-------|----|--------|--------|-------|--------|
|     |       |       |       |    | rteres |        |       |        |
| 90  | 6.990 | 6.980 | 7.012 | VV | 7760   | 108701 | 0.52% | 0.013% |
| 91  | 7.034 | 7.012 | 7.070 | VV | 24574  | 413402 | 1.96% | 0.050% |
| 92  | 7.088 | 7.070 | 7.114 | VV | 25760  | 329653 | 1.56% | 0.040% |
| 93  | 7.133 | 7.114 | 7.150 | VV | 9956   | 141018 | 0.67% | 0.017% |
| 94  | 7.159 | 7.150 | 7.189 | VV | 5111   | 94134  | 0.45% | 0.011% |
| 95  | 7.255 | 7.189 | 7.281 | VV | 16125  | 438541 | 2.08% | 0.053% |
| 96  | 7.304 | 7.281 | 7.332 | VV | 7046   | 172249 | 0.82% | 0.021% |
| 97  | 7.341 | 7.332 | 7.358 | VV | 6944   | 86898  | 0.41% | 0.011% |
| 98  | 7.384 | 7.358 | 7.401 | VV | 5703   | 120887 | 0.57% | 0.015% |
| 99  | 7.427 | 7.401 | 7.459 | VV | 15977  | 305956 | 1.45% | 0.037% |
| 100 | 7.477 | 7.459 | 7.496 | VV | 6887   | 98485  | 0.47% | 0.012% |
| 101 | 7.619 | 7.606 | 7.646 | VV | 8041   | 158085 | 0.75% | 0.019% |
| 102 | 7.680 | 7.646 | 7.697 | VV | 13432  | 244277 | 1.16% | 0.030% |
| 103 | 7.710 | 7.697 | 7.718 | VV | 8301   | 101236 | 0.48% | 0.012% |
| 104 | 7.727 | 7.718 | 7.745 | VV | 8703   | 112291 | 0.53% | 0.014% |
| 105 | 7.771 | 7.745 | 7.790 | VV | 9040   | 176246 | 0.84% | 0.021% |
| 106 | 7.822 | 7.790 | 7.838 | VV | 11526  | 265149 | 1.26% | 0.032% |
| 107 | 7.855 | 7.838 | 7.895 | VV | 17339  | 399013 | 1.89% | 0.048% |
| 108 | 7.995 | 7.976 | 8.014 | VV | 10879  | 188081 | 0.89% | 0.023% |
| 109 | 8.071 | 8.059 | 8.090 | VV | 24866  | 319336 | 1.51% | 0.039% |
| 110 | 8.118 | 8.090 | 8.143 | VV | 19325  | 412115 | 1.96% | 0.050% |
| 111 | 8.224 | 8.204 | 8.252 | VV | 26239  | 483397 | 2.29% | 0.058% |
| 112 | 8.276 | 8.252 | 8.295 | VV | 24436  | 358933 | 1.70% | 0.043% |
| 113 | 8.314 | 8.295 | 8.326 | VV | 13091  | 200987 | 0.95% | 0.024% |
| 114 | 8.336 | 8.326 | 8.352 | VV | 10877  | 139790 | 0.66% | 0.017% |
| 115 | 8.365 | 8.352 | 8.382 | VV | 9065   | 137107 | 0.65% | 0.017% |
| 116 | 8.472 | 8.460 | 8.482 | VV | 11303  | 139055 | 0.66% | 0.017% |
| 117 | 8.519 | 8.482 | 8.549 | VV | 28184  | 606962 | 2.88% | 0.073% |
| 118 | 8.569 | 8.549 | 8.593 | VV | 24991  | 375866 | 1.78% | 0.045% |
| 119 | 8.608 | 8.593 | 8.617 | VV | 11142  | 145712 | 0.69% | 0.018% |
| 120 | 8.706 | 8.691 | 8.718 | VV | 10981  | 144035 | 0.68% | 0.017% |
| 121 | 8.730 | 8.718 | 8.740 | VV | 10204  | 120081 | 0.57% | 0.015% |
| 122 | 8.758 | 8.740 | 8.776 | VV | 18531  | 275248 | 1.31% | 0.033% |
| 123 | 8.793 | 8.776 | 8.816 | VV | 22304  | 327076 | 1.55% | 0.040% |
| 124 | 8.830 | 8.816 | 8.842 | VV | 9461   | 124188 | 0.59% | 0.015% |
| 125 | 8.858 | 8.842 | 8.908 | VV | 11120  | 365888 | 1.74% | 0.044% |
| 126 | 8.931 | 8.908 | 8.950 | VV | 23977  | 393903 | 1.87% | 0.048% |
| 127 | 8.966 | 8.950 | 9.004 | VV | 21297  | 367022 | 1.74% | 0.044% |
| 128 | 9.023 | 9.004 | 9.047 | VV | 10266  | 178792 | 0.85% | 0.022% |
| 129 | 9.080 | 9.047 | 9.099 | VV | 18777  | 289090 | 1.37% | 0.035% |
| 130 | 9.113 | 9.099 | 9.147 | VV | 12835  | 215712 | 1.02% | 0.026% |
| 131 | 9.164 | 9.147 | 9.181 | VV | 8499   | 130396 | 0.62% | 0.016% |
| 132 | 9.216 | 9.181 | 9.247 | VV | 17927  | 362155 | 1.72% | 0.044% |
| 133 | 9.260 | 9.247 | 9.275 | VV | 7570   | 104420 | 0.50% | 0.013% |
| 134 | 9.377 | 9.348 | 9.413 | VV | 19980  | 414897 | 1.97% | 0.050% |
| 135 | 9.445 | 9.413 | 9.461 | VV | 11922  | 245005 | 1.16% | 0.030% |
| 136 | 9.477 | 9.461 | 9.489 | VV | 11223  | 160170 | 0.76% | 0.019% |
| 137 | 9.501 | 9.489 | 9.524 | VV | 10903  | 166118 | 0.79% | 0.020% |
| 138 | 9.538 | 9.524 | 9.597 | VV | 5242   | 176329 | 0.84% | 0.021% |
| 139 | 9.620 | 9.597 | 9.641 | VV | 11556  | 185028 | 0.88% | 0.022% |
| 140 | 9.667 | 9.641 | 9.686 | VV | 8921   | 180245 | 0.86% | 0.022% |
| 141 | 9.710 | 9.686 | 9.760 | VV | 22824  | 447784 | 2.12% | 0.054% |

|     |        |        |        |    | rteres |         |        |        |
|-----|--------|--------|--------|----|--------|---------|--------|--------|
| 142 | 9.779  | 9.760  | 9.796  | VV | 5113   | 91244   | 0.43%  | 0.011% |
| 143 | 9.811  | 9.796  | 9.848  | VV | 5347   | 88710   | 0.42%  | 0.011% |
| 144 | 9.883  | 9.848  | 9.927  | PV | 8401   | 162067  | 0.77%  | 0.020% |
| 145 | 9.941  | 9.927  | 9.957  | VV | 1530   | 18786   | 0.09%  | 0.002% |
| 146 | 9.978  | 9.957  | 10.005 | VV | 2342   | 42831   | 0.20%  | 0.005% |
| 147 | 10.037 | 10.005 | 10.068 | VV | 6910   | 128384  | 0.61%  | 0.016% |
| 148 | 10.093 | 10.068 | 10.119 | VV | 18391  | 273112  | 1.30%  | 0.033% |
| 149 | 10.144 | 10.119 | 10.154 | VV | 10483  | 138783  | 0.66%  | 0.017% |
| 150 | 10.173 | 10.154 | 10.196 | VV | 19525  | 298425  | 1.42%  | 0.036% |
| 151 | 10.213 | 10.196 | 10.259 | VV | 15501  | 270238  | 1.28%  | 0.033% |
| 152 | 10.289 | 10.259 | 10.325 | VV | 13734  | 237256  | 1.13%  | 0.029% |
| 153 | 10.364 | 10.325 | 10.398 | VV | 18063  | 351313  | 1.67%  | 0.043% |
| 154 | 10.442 | 10.398 | 10.473 | VV | 18369  | 374828  | 1.78%  | 0.045% |
| 155 | 10.511 | 10.473 | 10.539 | VV | 30867  | 646816  | 3.07%  | 0.078% |
| 156 | 10.560 | 10.539 | 10.577 | VV | 5251   | 91464   | 0.43%  | 0.011% |
| 157 | 10.589 | 10.577 | 10.608 | VV | 4166   | 45919   | 0.22%  | 0.006% |
| 158 | 10.632 | 10.608 | 10.641 | VV | 2316   | 28501   | 0.14%  | 0.003% |
| 159 | 10.690 | 10.641 | 10.738 | VV | 209996 | 2271518 | 10.78% | 0.275% |
| 160 | 10.764 | 10.738 | 10.800 | VV | 52725  | 638180  | 3.03%  | 0.077% |
| 161 | 10.828 | 10.800 | 10.837 | VV | 5195   | 91304   | 0.43%  | 0.011% |
| 162 | 10.847 | 10.837 | 10.877 | VV | 5258   | 79694   | 0.38%  | 0.010% |
| 163 | 10.896 | 10.877 | 10.927 | VV | 2597   | 50694   | 0.24%  | 0.006% |
| 164 | 10.945 | 10.927 | 10.965 | PV | 2599   | 29292   | 0.14%  | 0.004% |
| 165 | 10.991 | 10.965 | 11.019 | VV | 11740  | 190595  | 0.90%  | 0.023% |
| 166 | 11.038 | 11.019 | 11.063 | VV | 5707   | 108552  | 0.51%  | 0.013% |
| 167 | 11.081 | 11.063 | 11.105 | VV | 7265   | 122066  | 0.58%  | 0.015% |
| 168 | 11.141 | 11.105 | 11.162 | VV | 16057  | 248696  | 1.18%  | 0.030% |
| 169 | 11.174 | 11.162 | 11.188 | VV | 6069   | 86809   | 0.41%  | 0.011% |
| 170 | 11.228 | 11.188 | 11.257 | VV | 22291  | 529909  | 2.51%  | 0.064% |
| 171 | 11.282 | 11.257 | 11.309 | VV | 6291   | 91390   | 0.43%  | 0.011% |
| 172 | 11.338 | 11.309 | 11.361 | VV | 15808  | 200525  | 0.95%  | 0.024% |
| 173 | 11.380 | 11.361 | 11.403 | VV | 4113   | 63650   | 0.30%  | 0.008% |
| 174 | 11.457 | 11.403 | 11.477 | VV | 617194 | 6620168 | 31.41% | 0.801% |
| 175 | 11.487 | 11.477 | 11.502 | VV | 49310  | 521006  | 2.47%  | 0.063% |
| 176 | 11.518 | 11.502 | 11.555 | VV | 57693  | 687310  | 3.26%  | 0.083% |
| 177 | 11.600 | 11.555 | 11.618 | VV | 44678  | 696626  | 3.30%  | 0.084% |
| 178 | 11.635 | 11.618 | 11.650 | VV | 40730  | 466463  | 2.21%  | 0.056% |
| 179 | 11.666 | 11.650 | 11.716 | VV | 43500  | 543225  | 2.58%  | 0.066% |
| 180 | 11.741 | 11.716 | 11.758 | PV | 3497   | 44610   | 0.21%  | 0.005% |
| 181 | 11.804 | 11.758 | 11.837 | VV | 16016  | 368977  | 1.75%  | 0.045% |
| 182 | 11.855 | 11.837 | 11.868 | VV | 8796   | 112352  | 0.53%  | 0.014% |
| 183 | 11.886 | 11.868 | 11.912 | VV | 9662   | 154892  | 0.73%  | 0.019% |
| 184 | 11.955 | 11.912 | 11.974 | VV | 17411  | 248631  | 1.18%  | 0.030% |
| 185 | 11.985 | 11.974 | 11.999 | VV | 8575   | 93740   | 0.44%  | 0.011% |
| 186 | 12.020 | 11.999 | 12.037 | VV | 14893  | 212691  | 1.01%  | 0.026% |
| 187 | 12.053 | 12.037 | 12.078 | VV | 18648  | 226900  | 1.08%  | 0.027% |
| 188 | 12.100 | 12.078 | 12.117 | VV | 6844   | 108571  | 0.52%  | 0.013% |
| 189 | 12.132 | 12.117 | 12.144 | VV | 6944   | 80419   | 0.38%  | 0.010% |
| 190 | 12.161 | 12.144 | 12.195 | VV | 11971  | 237323  | 1.13%  | 0.029% |
| 191 | 12.226 | 12.195 | 12.252 | VV | 11195  | 270152  | 1.28%  | 0.033% |
| 192 | 12.272 | 12.252 | 12.313 | VV | 22476  | 404773  | 1.92%  | 0.049% |
| 193 | 12.381 | 12.313 | 12.400 | PV | 58094  | 902209  | 4.28%  | 0.109% |
| 194 | 12.417 | 12.400 | 12.427 | VV | 22613  | 294360  | 1.40%  | 0.036% |

|     |        |        |        |    |        |         |        |        |
|-----|--------|--------|--------|----|--------|---------|--------|--------|
|     |        |        |        |    | rteres |         |        |        |
| 195 | 12.443 | 12.427 | 12.470 | VV | 35026  | 516577  | 2.45%  | 0.063% |
| 196 | 12.498 | 12.470 | 12.560 | VV | 241940 | 2771614 | 13.15% | 0.335% |
| 197 | 12.570 | 12.560 | 12.578 | VV | 1631   | 15059   | 0.07%  | 0.002% |
| 198 | 12.594 | 12.578 | 12.608 | VV | 5099   | 60307   | 0.29%  | 0.007% |
| 199 | 12.629 | 12.608 | 12.644 | VV | 10335  | 144702  | 0.69%  | 0.018% |
| 200 | 12.655 | 12.644 | 12.666 | VV | 8711   | 86448   | 0.41%  | 0.010% |
| 201 | 12.683 | 12.666 | 12.700 | VV | 16775  | 206232  | 0.98%  | 0.025% |
| 202 | 12.715 | 12.700 | 12.768 | VV | 10958  | 296328  | 1.41%  | 0.036% |
| 203 | 12.793 | 12.768 | 12.811 | VV | 225207 | 2466972 | 11.70% | 0.298% |
| 204 | 12.824 | 12.811 | 12.857 | VV | 83948  | 1092723 | 5.18%  | 0.132% |
| 205 | 12.885 | 12.857 | 12.914 | VV | 469738 | 5454797 | 25.88% | 0.660% |
| 206 | 12.926 | 12.914 | 12.948 | VV | 8753   | 141767  | 0.67%  | 0.017% |
| 207 | 12.968 | 12.948 | 12.988 | VV | 12515  | 200299  | 0.95%  | 0.024% |
| 208 | 12.999 | 12.988 | 13.023 | VV | 8398   | 99161   | 0.47%  | 0.012% |
| 209 | 13.057 | 13.023 | 13.104 | PV | 20921  | 603668  | 2.86%  | 0.073% |
| 210 | 13.123 | 13.104 | 13.167 | VV | 22107  | 372532  | 1.77%  | 0.045% |
| 211 | 13.187 | 13.167 | 13.199 | PV | 13316  | 139796  | 0.66%  | 0.017% |
| 212 | 13.214 | 13.199 | 13.230 | VV | 13986  | 190755  | 0.90%  | 0.023% |
| 213 | 13.252 | 13.230 | 13.325 | VV | 19936  | 533154  | 2.53%  | 0.065% |
| 214 | 13.379 | 13.325 | 13.408 | VV | 55957  | 971817  | 4.61%  | 0.118% |
| 215 | 13.446 | 13.408 | 13.462 | VV | 8107   | 200216  | 0.95%  | 0.024% |
| 216 | 13.486 | 13.462 | 13.507 | VV | 39509  | 520083  | 2.47%  | 0.063% |
| 217 | 13.526 | 13.507 | 13.545 | VV | 33571  | 440772  | 2.09%  | 0.053% |
| 218 | 13.557 | 13.545 | 13.591 | VV | 13827  | 283976  | 1.35%  | 0.034% |
| 219 | 13.652 | 13.591 | 13.675 | VV | 41152  | 995050  | 4.72%  | 0.120% |
| 220 | 13.694 | 13.675 | 13.717 | VV | 29243  | 386876  | 1.84%  | 0.047% |
| 221 | 13.776 | 13.717 | 13.798 | VV | 7151   | 264298  | 1.25%  | 0.032% |
| 222 | 13.853 | 13.798 | 13.879 | VV | 8349   | 282014  | 1.34%  | 0.034% |
| 223 | 13.892 | 13.879 | 13.905 | VV | 5869   | 81031   | 0.38%  | 0.010% |
| 224 | 13.925 | 13.905 | 13.946 | VV | 7947   | 140119  | 0.66%  | 0.017% |
| 225 | 13.962 | 13.946 | 13.971 | VV | 6876   | 87058   | 0.41%  | 0.011% |
| 226 | 13.989 | 13.971 | 14.004 | VV | 10585  | 165058  | 0.78%  | 0.020% |
| 227 | 14.039 | 14.004 | 14.052 | VV | 13302  | 295239  | 1.40%  | 0.036% |
| 228 | 14.077 | 14.052 | 14.094 | VV | 21658  | 423436  | 2.01%  | 0.051% |
| 229 | 14.108 | 14.094 | 14.118 | VV | 21044  | 279030  | 1.32%  | 0.034% |
| 230 | 14.130 | 14.118 | 14.161 | VV | 20809  | 376427  | 1.79%  | 0.046% |
| 231 | 14.188 | 14.161 | 14.203 | VV | 28839  | 486806  | 2.31%  | 0.059% |
| 232 | 14.214 | 14.203 | 14.232 | VV | 24133  | 362506  | 1.72%  | 0.044% |
| 233 | 14.248 | 14.232 | 14.264 | VV | 20623  | 328148  | 1.56%  | 0.040% |
| 234 | 14.289 | 14.264 | 14.328 | VV | 33923  | 848706  | 4.03%  | 0.103% |
| 235 | 14.350 | 14.328 | 14.373 | VV | 43289  | 695338  | 3.30%  | 0.084% |
| 236 | 14.396 | 14.373 | 14.406 | VV | 17301  | 313242  | 1.49%  | 0.038% |
| 237 | 14.429 | 14.406 | 14.451 | VV | 19560  | 460219  | 2.18%  | 0.056% |
| 238 | 14.472 | 14.451 | 14.492 | VV | 23944  | 456293  | 2.16%  | 0.055% |
| 239 | 14.510 | 14.492 | 14.522 | VV | 19850  | 307342  | 1.46%  | 0.037% |
| 240 | 14.536 | 14.522 | 14.564 | VV | 19656  | 406677  | 1.93%  | 0.049% |
| 241 | 14.616 | 14.564 | 14.626 | VV | 21663  | 631141  | 2.99%  | 0.076% |
| 242 | 14.822 | 14.774 | 14.847 | VV | 46284  | 1449880 | 6.88%  | 0.175% |
| 243 | 14.864 | 14.847 | 14.902 | VV | 37411  | 1028558 | 4.88%  | 0.124% |
| 244 | 14.910 | 14.902 | 14.935 | VV | 28993  | 521297  | 2.47%  | 0.063% |
| 245 | 14.972 | 14.935 | 14.993 | VV | 41946  | 1112099 | 5.28%  | 0.135% |
| 246 | 15.037 | 14.993 | 15.067 | VV | 32454  | 1355936 | 6.43%  | 0.164% |

| rteres |        |        |        |    |        |          |         |        |
|--------|--------|--------|--------|----|--------|----------|---------|--------|
| 247    | 15.106 | 15.067 | 15.158 | VV | 61756  | 2325138  | 11.03%  | 0.281% |
| 248    | 15.170 | 15.158 | 15.188 | VV | 36032  | 605212   | 2.87%   | 0.073% |
| 249    | 15.198 | 15.188 | 15.204 | VV | 31449  | 309243   | 1.47%   | 0.037% |
| 250    | 15.246 | 15.204 | 15.276 | VV | 57017  | 1918412  | 9.10%   | 0.232% |
| 251    | 15.291 | 15.276 | 15.307 | VV | 42460  | 737708   | 3.50%   | 0.089% |
| 252    | 15.331 | 15.307 | 15.351 | VV | 83689  | 1536804  | 7.29%   | 0.186% |
| 253    | 15.369 | 15.351 | 15.398 | VV | 70429  | 1461925  | 6.94%   | 0.177% |
| 254    | 15.418 | 15.398 | 15.435 | VV | 46746  | 952847   | 4.52%   | 0.115% |
| 255    | 15.496 | 15.435 | 15.528 | VV | 70655  | 3112922  | 14.77%  | 0.377% |
| 256    | 15.565 | 15.528 | 15.583 | VV | 54824  | 1681335  | 7.98%   | 0.203% |
| 257    | 15.655 | 15.583 | 15.674 | VV | 60864  | 2999974  | 14.23%  | 0.363% |
| 258    | 15.688 | 15.674 | 15.702 | VV | 60532  | 967596   | 4.59%   | 0.117% |
| 259    | 15.744 | 15.702 | 15.825 | VV | 83942  | 5005619  | 23.75%  | 0.606% |
| 260    | 15.834 | 15.825 | 15.888 | VV | 64660  | 2360667  | 11.20%  | 0.286% |
| 261    | 15.926 | 15.888 | 15.952 | VV | 92808  | 2868633  | 13.61%  | 0.347% |
| 262    | 15.969 | 15.952 | 15.987 | VV | 76532  | 1527777  | 7.25%   | 0.185% |
| 263    | 16.013 | 15.987 | 16.022 | VV | 89091  | 1699471  | 8.06%   | 0.206% |
| 264    | 16.031 | 16.022 | 16.063 | VV | 89939  | 2142631  | 10.16%  | 0.259% |
| 265    | 16.076 | 16.063 | 16.085 | VV | 87157  | 1088261  | 5.16%   | 0.132% |
| 266    | 16.132 | 16.085 | 16.155 | VV | 105650 | 3815406  | 18.10%  | 0.462% |
| 267    | 16.220 | 16.155 | 16.280 | VV | 203097 | 8590964  | 40.75%  | 1.039% |
| 268    | 16.318 | 16.280 | 16.328 | VV | 109838 | 2911721  | 13.81%  | 0.352% |
| 269    | 16.351 | 16.328 | 16.368 | VV | 127210 | 2861115  | 13.57%  | 0.346% |
| 270    | 16.382 | 16.368 | 16.398 | VV | 114364 | 2015964  | 9.56%   | 0.244% |
| 271    | 16.406 | 16.398 | 16.410 | VV | 113593 | 825655   | 3.92%   | 0.100% |
| 272    | 16.430 | 16.410 | 16.465 | VV | 123024 | 3741287  | 17.75%  | 0.453% |
| 273    | 16.540 | 16.465 | 16.576 | VV | 174866 | 8708440  | 41.31%  | 1.054% |
| 274    | 16.598 | 16.576 | 16.625 | VV | 186453 | 4261027  | 20.21%  | 0.516% |
| 275    | 16.701 | 16.625 | 16.725 | VV | 186848 | 8657219  | 41.07%  | 1.047% |
| 276    | 16.743 | 16.725 | 16.772 | VV | 154059 | 4014121  | 19.04%  | 0.486% |
| 277    | 16.780 | 16.772 | 16.793 | VV | 139013 | 1783692  | 8.46%   | 0.216% |
| 278    | 16.808 | 16.793 | 16.817 | VV | 137705 | 1922532  | 9.12%   | 0.233% |
| 279    | 16.859 | 16.817 | 16.872 | VV | 154738 | 4796051  | 22.75%  | 0.580% |
| 280    | 16.879 | 16.872 | 16.895 | VV | 155486 | 2087549  | 9.90%   | 0.253% |
| 281    | 16.923 | 16.895 | 16.948 | VV | 166962 | 5094336  | 24.17%  | 0.616% |
| 282    | 16.999 | 16.948 | 17.031 | VV | 179419 | 8143800  | 38.63%  | 0.985% |
| 283    | 17.072 | 17.031 | 17.080 | VV | 184701 | 4947265  | 23.47%  | 0.599% |
| 284    | 17.096 | 17.080 | 17.115 | VV | 191571 | 3802337  | 18.04%  | 0.460% |
| 285    | 17.137 | 17.115 | 17.155 | VV | 195167 | 4370309  | 20.73%  | 0.529% |
| 286    | 17.174 | 17.155 | 17.192 | VV | 184302 | 3925030  | 18.62%  | 0.475% |
| 287    | 17.208 | 17.192 | 17.225 | VV | 182649 | 3464727  | 16.44%  | 0.419% |
| 288    | 17.248 | 17.225 | 17.282 | VV | 200994 | 6436189  | 30.53%  | 0.779% |
| 289    | 17.307 | 17.282 | 17.378 | VV | 198543 | 10352447 | 49.11%  | 1.253% |
| 290    | 17.405 | 17.378 | 17.437 | VV | 183900 | 6313136  | 29.95%  | 0.764% |
| 291    | 17.472 | 17.437 | 17.492 | VV | 203061 | 6302537  | 29.90%  | 0.763% |
| 292    | 17.511 | 17.492 | 17.522 | VV | 206096 | 3573314  | 16.95%  | 0.432% |
| 293    | 17.571 | 17.522 | 17.594 | VV | 262022 | 9650627  | 45.78%  | 1.168% |
| 294    | 17.612 | 17.594 | 17.638 | VV | 208528 | 5268590  | 24.99%  | 0.637% |
| 295    | 17.713 | 17.638 | 17.792 | VV | 306324 | 21079669 | 100.00% | 2.551% |
| 296    | 17.889 | 17.792 | 17.905 | VV | 234593 | 14695297 | 69.71%  | 1.778% |
| 297    | 17.938 | 17.905 | 17.957 | VV | 246776 | 7523861  | 35.69%  | 0.910% |
| 298    | 17.986 | 17.957 | 18.017 | VV | 271828 | 8928213  | 42.35%  | 1.080% |
| 299    | 18.081 | 18.017 | 18.135 | VV | 318966 | 17913121 | 84.98%  | 2.167% |

|     |        |        |        |    |                         |          |           |        |
|-----|--------|--------|--------|----|-------------------------|----------|-----------|--------|
|     |        |        |        |    |                         | rters    |           |        |
| 300 | 18.155 | 18.135 | 18.182 | VV | 245422                  | 6667243  | 31.63%    | 0.807% |
| 301 | 18.228 | 18.182 | 18.259 | VV | 277900                  | 11632704 | 55.18%    | 1.407% |
| 302 | 18.281 | 18.259 | 18.290 | VV | 244463                  | 4548770  | 21.58%    | 0.550% |
| 303 | 18.301 | 18.290 | 18.329 | VV | 242233                  | 5536566  | 26.26%    | 0.670% |
| 304 | 18.366 | 18.329 | 18.374 | VV | 262093                  | 6717478  | 31.87%    | 0.813% |
| 305 | 18.399 | 18.374 | 18.434 | VV | 295032                  | 9528274  | 45.20%    | 1.153% |
| 306 | 18.501 | 18.434 | 18.522 | VV | 322471                  | 13990482 | 66.37%    | 1.693% |
| 307 | 18.550 | 18.522 | 18.616 | VV | 309952                  | 15379330 | 72.96%    | 1.861% |
| 308 | 18.672 | 18.616 | 18.698 | VV | 288204                  | 13355573 | 63.36%    | 1.616% |
| 309 | 18.756 | 18.698 | 18.777 | VV | 301087                  | 13358126 | 63.37%    | 1.616% |
| 310 | 18.796 | 18.777 | 18.815 | VV | 313568                  | 6897928  | 32.72%    | 0.835% |
| 311 | 18.830 | 18.815 | 18.862 | VV | 320562                  | 8240507  | 39.09%    | 0.997% |
| 312 | 18.901 | 18.862 | 18.952 | VV | 313692                  | 15520084 | 73.63%    | 1.878% |
| 313 | 18.991 | 18.952 | 19.001 | VV | 287580                  | 8409112  | 39.89%    | 1.017% |
| 314 | 19.010 | 19.001 | 19.021 | VV | 285115                  | 3339876  | 15.84%    | 0.404% |
| 315 | 19.067 | 19.021 | 19.090 | VV | 295180                  | 11741431 | 55.70%    | 1.421% |
| 316 | 19.103 | 19.090 | 19.124 | VV | 289733                  | 5822926  | 27.62%    | 0.705% |
| 317 | 19.182 | 19.124 | 19.195 | VV | 336716                  | 12787344 | 60.66%    | 1.547% |
| 318 | 19.210 | 19.195 | 19.262 | VV | 336220                  | 12344435 | 58.56%    | 1.494% |
| 319 | 19.297 | 19.262 | 19.355 | VV | 327770                  | 17035279 | 80.81%    | 2.061% |
| 320 | 19.375 | 19.355 | 19.388 | VV | 314759                  | 6100917  | 28.94%    | 0.738% |
| 321 | 19.407 | 19.388 | 19.422 | VV | 319841                  | 6442853  | 30.56%    | 0.780% |
| 322 | 19.460 | 19.422 | 19.508 | VV | 330850                  | 16255943 | 77.12%    | 1.967% |
| 323 | 19.531 | 19.508 | 19.541 | VV | 345681                  | 6525404  | 30.96%    | 0.790% |
| 324 | 19.556 | 19.541 | 19.579 | VV | 359095                  | 7889054  | 37.42%    | 0.955% |
| 325 | 19.600 | 19.579 | 19.647 | VV | 349367                  | 13271627 | 62.96%    | 1.606% |
| 326 | 19.671 | 19.647 | 19.680 | VV | 326978                  | 6362723  | 30.18%    | 0.770% |
| 327 | 19.720 | 19.680 | 19.744 | VV | 339693                  | 12573611 | 59.65%    | 1.521% |
| 328 | 19.766 | 19.744 | 19.804 | VV | 344798                  | 12308126 | 58.39%    | 1.489% |
| 329 | 19.827 | 19.804 | 19.875 | VV | 368317                  | 14637809 | 69.44%    | 1.771% |
| 330 | 19.919 | 19.875 | 19.968 | VV | 377993                  | 19592387 | 92.94%    | 2.371% |
| 331 | 19.986 | 19.968 | 20.028 | VV | 374674                  | 12781909 | 60.64%    | 1.547% |
| 332 | 20.058 | 20.028 | 20.072 | VV | 355604                  | 9148878  | 43.40%    | 1.107% |
| 333 | 20.092 | 20.072 | 20.105 | VV | 363889                  | 7084642  | 33.61%    | 0.857% |
| 334 | 20.120 | 20.105 | 20.143 | VV | 383576                  | 8385517  | 39.78%    | 1.015% |
| 335 | 20.164 | 20.143 | 20.208 | VV | 362744                  | 13785106 | 65.40%    | 1.668% |
| 336 | 20.217 | 20.208 | 20.233 | VV | 351884                  | 5335380  | 25.31%    | 0.646% |
| 337 | 20.271 | 20.233 | 20.305 | VV | 403367                  | 15979483 | 75.81%    | 1.933% |
| 338 | 20.320 | 20.305 | 20.342 | VV | 365273                  | 7891509  | 37.44%    | 0.955% |
| 339 | 20.395 | 20.342 | 20.419 | VV | 378211                  | 17036433 | 80.82%    | 2.061% |
| 340 | 20.435 | 20.419 | 20.452 | VV | 365371                  | 7129828  | 33.82%    | 0.863% |
| 341 | 20.463 | 20.452 | 20.472 | VV | 360435                  | 4142859  | 19.65%    | 0.501% |
| 342 | 20.491 | 20.472 | 20.522 | VV | 362885                  | 10550551 | 50.05%    | 1.277% |
| 343 | 20.534 | 20.522 | 20.548 | VV | 347716                  | 5446696  | 25.84%    | 0.659% |
| 344 | 20.581 | 20.548 | 20.602 | VV | 339718                  | 10657788 | 50.56%    | 1.290% |
| 345 | 20.626 | 20.602 | 20.691 | VV | 355677                  | 17496806 | 83.00%    | 2.117% |
| 346 | 20.714 | 20.691 | 20.725 | VV | 314771                  | 6267731  | 29.73%    | 0.758% |
| 347 | 20.732 | 20.725 | 20.762 | VV | 308531                  | 6619138  | 31.40%    | 0.801% |
| 348 | 20.776 | 20.762 | 20.819 | VV | 304679                  | 10208242 | 48.43%    | 1.235% |
|     |        |        |        |    | Sum of corrected areas: |          | 826482593 |        |