

rteres  
Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC071918AL\  
Data File : FC035503.D  
Signal(s) : FID1A.CH  
Acq On : 20 Jul 2018 2:05  
Sample : J4057-01  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\PESTPCBSRV\HPCHEM1\FID\_C\Method\Alaphatic EPH 062518.M  
Title : GC Extractables

Signal : FID1A.CH

| peak<br># | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-----------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1         | 3.233       | 3.202        | 3.299      | BV       | 261            | 6814         | 0.13%          | 0.006%        |
| 2         | 3.307       | 3.299        | 3.344      | PV       | 114            | 2203         | 0.04%          | 0.002%        |
| 3         | 3.368       | 3.344        | 3.397      | VV       | 209            | 4485         | 0.08%          | 0.004%        |
| 4         | 3.423       | 3.397        | 3.457      | VV       | 201            | 4848         | 0.09%          | 0.005%        |
| 5         | 3.461       | 3.457        | 3.482      | VV       | 125            | 1488         | 0.03%          | 0.001%        |
| 6         | 3.511       | 3.482        | 3.519      | VV       | 259            | 3278         | 0.06%          | 0.003%        |
| 7         | 3.532       | 3.519        | 3.575      | VV       | 210            | 5665         | 0.11%          | 0.005%        |
| 8         | 3.583       | 3.575        | 3.591      | VV       | 149            | 1342         | 0.03%          | 0.001%        |
| 9         | 3.606       | 3.591        | 3.621      | VV       | 462            | 4662         | 0.09%          | 0.004%        |
| 10        | 3.631       | 3.621        | 3.659      | VV       | 288            | 4841         | 0.09%          | 0.005%        |
| 11        | 3.668       | 3.659        | 3.704      | VV       | 276            | 4792         | 0.09%          | 0.005%        |
| 12        | 3.723       | 3.704        | 3.787      | VV       | 412            | 8849         | 0.17%          | 0.008%        |
| 13        | 3.840       | 3.787        | 3.866      | VV       | 277            | 8523         | 0.16%          | 0.008%        |
| 14        | 3.893       | 3.866        | 3.972      | VV       | 3508           | 60500        | 1.13%          | 0.057%        |
| 15        | 3.994       | 3.972        | 4.029      | VV       | 384            | 9587         | 0.18%          | 0.009%        |
| 16        | 4.062       | 4.029        | 4.089      | VV       | 351            | 10983        | 0.21%          | 0.010%        |
| 17        | 4.100       | 4.089        | 4.114      | VV       | 410            | 5027         | 0.09%          | 0.005%        |
| 18        | 4.122       | 4.114        | 4.149      | VV       | 276            | 4986         | 0.09%          | 0.005%        |
| 19        | 4.165       | 4.149        | 4.180      | VV       | 299            | 4665         | 0.09%          | 0.004%        |
| 20        | 4.190       | 4.180        | 4.201      | VV       | 313            | 3237         | 0.06%          | 0.003%        |
| 21        | 4.211       | 4.201        | 4.232      | VV       | 331            | 4504         | 0.08%          | 0.004%        |
| 22        | 4.273       | 4.232        | 4.292      | VV       | 641            | 13014        | 0.24%          | 0.012%        |
| 23        | 4.302       | 4.292        | 4.330      | VV       | 412            | 7934         | 0.15%          | 0.007%        |
| 24        | 4.340       | 4.330        | 4.349      | VV       | 451            | 3652         | 0.07%          | 0.003%        |
| 25        | 4.368       | 4.349        | 4.422      | VV       | 675            | 15734        | 0.29%          | 0.015%        |
| 26        | 4.448       | 4.422        | 4.480      | VV       | 1195           | 18128        | 0.34%          | 0.017%        |
| 27        | 4.508       | 4.480        | 4.541      | VV       | 670            | 14902        | 0.28%          | 0.014%        |
| 28        | 4.553       | 4.541        | 4.571      | VV       | 496            | 6145         | 0.11%          | 0.006%        |
| 29        | 4.580       | 4.571        | 4.621      | VV       | 332            | 7139         | 0.13%          | 0.007%        |
| 30        | 4.630       | 4.621        | 4.664      | VV       | 339            | 6990         | 0.13%          | 0.007%        |
| 31        | 4.681       | 4.664        | 4.697      | VV       | 444            | 6564         | 0.12%          | 0.006%        |
| 32        | 4.714       | 4.697        | 4.736      | VV       | 395            | 6983         | 0.13%          | 0.007%        |
| 33        | 4.769       | 4.736        | 4.812      | VV       | 331            | 11072        | 0.21%          | 0.010%        |
| 34        | 4.855       | 4.812        | 4.869      | VV       | 414            | 8483         | 0.16%          | 0.008%        |
| 35        | 4.894       | 4.869        | 4.911      | VV       | 575            | 9830         | 0.18%          | 0.009%        |
| 36        | 4.932       | 4.911        | 4.966      | VV       | 2004           | 24012        | 0.45%          | 0.023%        |

|    |       |       |       |    | rteres |         |         |        |
|----|-------|-------|-------|----|--------|---------|---------|--------|
| 37 | 4.990 | 4.966 | 5.029 | VV | 1037   | 16306   | 0.30%   | 0.015% |
| 38 | 5.037 | 5.029 | 5.082 | VV | 355    | 7213    | 0.13%   | 0.007% |
| 39 | 5.125 | 5.082 | 5.144 | PV | 615    | 12234   | 0.23%   | 0.012% |
| 40 | 5.157 | 5.144 | 5.212 | VV | 494    | 11923   | 0.22%   | 0.011% |
| 41 | 5.223 | 5.212 | 5.274 | VV | 289    | 7528    | 0.14%   | 0.007% |
| 42 | 5.304 | 5.274 | 5.321 | VV | 422    | 6285    | 0.12%   | 0.006% |
| 43 | 5.336 | 5.321 | 5.347 | VV | 463    | 4924    | 0.09%   | 0.005% |
| 44 | 5.377 | 5.347 | 5.411 | VV | 1074   | 18541   | 0.35%   | 0.018% |
| 45 | 5.434 | 5.411 | 5.479 | VV | 537    | 10957   | 0.20%   | 0.010% |
| 46 | 5.517 | 5.479 | 5.536 | VV | 556    | 10443   | 0.20%   | 0.010% |
| 47 | 5.549 | 5.536 | 5.579 | VV | 228    | 5210    | 0.10%   | 0.005% |
| 48 | 5.617 | 5.579 | 5.671 | VV | 494    | 15091   | 0.28%   | 0.014% |
| 49 | 5.678 | 5.671 | 5.714 | VV | 274    | 4417    | 0.08%   | 0.004% |
| 50 | 5.739 | 5.714 | 5.762 | VV | 262    | 4764    | 0.09%   | 0.004% |
| 51 | 5.789 | 5.762 | 5.811 | VV | 205    | 4471    | 0.08%   | 0.004% |
| 52 | 5.843 | 5.811 | 5.856 | VV | 383    | 6759    | 0.13%   | 0.006% |
| 53 | 5.878 | 5.856 | 5.914 | VV | 6769   | 86321   | 1.61%   | 0.082% |
| 54 | 5.923 | 5.914 | 5.947 | VV | 813    | 11328   | 0.21%   | 0.011% |
| 55 | 5.976 | 5.947 | 6.003 | VV | 442    | 12043   | 0.23%   | 0.011% |
| 56 | 6.032 | 6.003 | 6.052 | VV | 1386   | 22907   | 0.43%   | 0.022% |
| 57 | 6.063 | 6.052 | 6.099 | VV | 1043   | 13933   | 0.26%   | 0.013% |
| 58 | 6.119 | 6.099 | 6.136 | VV | 377    | 6800    | 0.13%   | 0.006% |
| 59 | 6.160 | 6.136 | 6.175 | VV | 552    | 9828    | 0.18%   | 0.009% |
| 60 | 6.195 | 6.175 | 6.209 | VV | 443    | 8333    | 0.16%   | 0.008% |
| 61 | 6.244 | 6.209 | 6.255 | VV | 565    | 13242   | 0.25%   | 0.013% |
| 62 | 6.267 | 6.255 | 6.304 | VV | 637    | 15154   | 0.28%   | 0.014% |
| 63 | 6.315 | 6.304 | 6.369 | VV | 631    | 16392   | 0.31%   | 0.015% |
| 64 | 6.401 | 6.369 | 6.430 | VV | 406    | 8955    | 0.17%   | 0.008% |
| 65 | 6.463 | 6.430 | 6.486 | VV | 922    | 15720   | 0.29%   | 0.015% |
| 66 | 6.501 | 6.486 | 6.522 | VV | 450    | 6442    | 0.12%   | 0.006% |
| 67 | 6.535 | 6.522 | 6.555 | PV | 267    | 3662    | 0.07%   | 0.003% |
| 68 | 6.581 | 6.555 | 6.609 | VV | 283    | 6976    | 0.13%   | 0.007% |
| 69 | 6.638 | 6.609 | 6.657 | VV | 404    | 6533    | 0.12%   | 0.006% |
| 70 | 6.673 | 6.657 | 6.686 | VV | 258    | 2698    | 0.05%   | 0.003% |
| 71 | 6.706 | 6.686 | 6.725 | VV | 264    | 3773    | 0.07%   | 0.004% |
| 72 | 6.774 | 6.725 | 6.792 | VV | 367    | 8265    | 0.15%   | 0.008% |
| 73 | 6.805 | 6.792 | 6.821 | VV | 414    | 5198    | 0.10%   | 0.005% |
| 74 | 6.834 | 6.821 | 6.849 | VV | 420    | 5379    | 0.10%   | 0.005% |
| 75 | 6.869 | 6.849 | 6.890 | VV | 553    | 7579    | 0.14%   | 0.007% |
| 76 | 6.930 | 6.890 | 6.954 | VV | 2554   | 33951   | 0.63%   | 0.032% |
| 77 | 6.969 | 6.954 | 6.989 | VV | 857    | 11301   | 0.21%   | 0.011% |
| 78 | 7.013 | 6.989 | 7.046 | VV | 1180   | 21535   | 0.40%   | 0.020% |
| 79 | 7.064 | 7.046 | 7.084 | VV | 1518   | 17589   | 0.33%   | 0.017% |
| 80 | 7.092 | 7.084 | 7.101 | VV | 472    | 4398    | 0.08%   | 0.004% |
| 81 | 7.128 | 7.101 | 7.165 | VV | 566    | 12695   | 0.24%   | 0.012% |
| 82 | 7.196 | 7.165 | 7.214 | PV | 462    | 6725    | 0.13%   | 0.006% |
| 83 | 7.236 | 7.214 | 7.272 | VV | 894    | 14221   | 0.27%   | 0.013% |
| 84 | 7.298 | 7.272 | 7.314 | VV | 394    | 6447    | 0.12%   | 0.006% |
| 85 | 7.322 | 7.314 | 7.337 | VV | 251    | 2270    | 0.04%   | 0.002% |
| 86 | 7.409 | 7.337 | 7.432 | VV | 628    | 15886   | 0.30%   | 0.015% |
| 87 | 7.446 | 7.432 | 7.464 | VV | 231    | 1577    | 0.03%   | 0.001% |
| 88 | 7.541 | 7.464 | 7.612 | PV | 533937 | 5352349 | 100.00% | 5.054% |
| 89 | 7.629 | 7.612 | 7.638 | VV | 2362   | 34867   | 0.65%   | 0.033% |

|     |        |        |        |    |        |         |        |        |
|-----|--------|--------|--------|----|--------|---------|--------|--------|
|     |        |        |        |    | rteres |         |        |        |
| 90  | 7.652  | 7.638  | 7.699  | VV | 2400   | 61256   | 1.14%  | 0.058% |
| 91  | 7.706  | 7.699  | 7.736  | VV | 1018   | 14214   | 0.27%  | 0.013% |
| 92  | 7.759  | 7.736  | 7.767  | VV | 523    | 8508    | 0.16%  | 0.008% |
| 93  | 7.800  | 7.767  | 7.819  | VV | 1251   | 22754   | 0.43%  | 0.021% |
| 94  | 7.837  | 7.819  | 7.882  | VV | 2262   | 34436   | 0.64%  | 0.033% |
| 95  | 7.925  | 7.882  | 7.956  | VV | 1405   | 33583   | 0.63%  | 0.032% |
| 96  | 7.982  | 7.956  | 8.006  | VV | 1422   | 27581   | 0.52%  | 0.026% |
| 97  | 8.022  | 8.006  | 8.037  | VV | 1941   | 25876   | 0.48%  | 0.024% |
| 98  | 8.050  | 8.037  | 8.080  | VV | 1269   | 27902   | 0.52%  | 0.026% |
| 99  | 8.101  | 8.080  | 8.127  | VV | 1907   | 28421   | 0.53%  | 0.027% |
| 100 | 8.158  | 8.127  | 8.187  | VV | 10092  | 117409  | 2.19%  | 0.111% |
| 101 | 8.203  | 8.187  | 8.234  | VV | 1623   | 24730   | 0.46%  | 0.023% |
| 102 | 8.256  | 8.234  | 8.324  | VV | 3970   | 57395   | 1.07%  | 0.054% |
| 103 | 8.358  | 8.324  | 8.372  | PV | 1056   | 17604   | 0.33%  | 0.017% |
| 104 | 8.402  | 8.372  | 8.464  | VV | 339942 | 3729694 | 69.68% | 3.522% |
| 105 | 8.496  | 8.464  | 8.530  | VV | 6498   | 140275  | 2.62%  | 0.132% |
| 106 | 8.551  | 8.530  | 8.574  | VV | 5891   | 84634   | 1.58%  | 0.080% |
| 107 | 8.615  | 8.574  | 8.672  | VV | 4795   | 127823  | 2.39%  | 0.121% |
| 108 | 8.684  | 8.672  | 8.695  | VV | 994    | 10661   | 0.20%  | 0.010% |
| 109 | 8.717  | 8.695  | 8.732  | VV | 2222   | 32045   | 0.60%  | 0.030% |
| 110 | 8.741  | 8.732  | 8.752  | VV | 1646   | 17164   | 0.32%  | 0.016% |
| 111 | 8.773  | 8.752  | 8.797  | VV | 3141   | 55580   | 1.04%  | 0.052% |
| 112 | 8.818  | 8.797  | 8.825  | VV | 2478   | 33393   | 0.62%  | 0.032% |
| 113 | 8.838  | 8.825  | 8.867  | VV | 3082   | 48378   | 0.90%  | 0.046% |
| 114 | 8.880  | 8.867  | 8.892  | VV | 976    | 12631   | 0.24%  | 0.012% |
| 115 | 8.921  | 8.892  | 8.974  | VV | 1957   | 56408   | 1.05%  | 0.053% |
| 116 | 9.005  | 8.974  | 9.031  | VV | 1160   | 22664   | 0.42%  | 0.021% |
| 117 | 9.052  | 9.031  | 9.061  | PV | 645    | 8304    | 0.16%  | 0.008% |
| 118 | 9.071  | 9.061  | 9.079  | VV | 694    | 6953    | 0.13%  | 0.007% |
| 119 | 9.114  | 9.079  | 9.146  | VV | 2067   | 55078   | 1.03%  | 0.052% |
| 120 | 9.159  | 9.146  | 9.181  | VV | 1062   | 16430   | 0.31%  | 0.016% |
| 121 | 9.222  | 9.181  | 9.247  | VV | 3023   | 64917   | 1.21%  | 0.061% |
| 122 | 9.281  | 9.247  | 9.289  | VV | 4956   | 69064   | 1.29%  | 0.065% |
| 123 | 9.302  | 9.289  | 9.334  | VV | 5992   | 89200   | 1.67%  | 0.084% |
| 124 | 9.382  | 9.334  | 9.404  | VV | 2978   | 86494   | 1.62%  | 0.082% |
| 125 | 9.458  | 9.404  | 9.472  | VV | 2259   | 75133   | 1.40%  | 0.071% |
| 126 | 9.480  | 9.472  | 9.499  | VV | 2069   | 27275   | 0.51%  | 0.026% |
| 127 | 9.511  | 9.499  | 9.546  | VV | 1542   | 37338   | 0.70%  | 0.035% |
| 128 | 9.571  | 9.546  | 9.584  | VV | 1708   | 34274   | 0.64%  | 0.032% |
| 129 | 9.601  | 9.584  | 9.616  | VV | 2515   | 38490   | 0.72%  | 0.036% |
| 130 | 9.626  | 9.616  | 9.634  | VV | 2087   | 21725   | 0.41%  | 0.021% |
| 131 | 9.653  | 9.634  | 9.672  | VV | 2351   | 46949   | 0.88%  | 0.044% |
| 132 | 9.697  | 9.672  | 9.749  | VV | 5462   | 140255  | 2.62%  | 0.132% |
| 133 | 9.783  | 9.749  | 9.834  | VV | 2756   | 125704  | 2.35%  | 0.119% |
| 134 | 9.861  | 9.834  | 9.871  | VV | 2773   | 56087   | 1.05%  | 0.053% |
| 135 | 9.882  | 9.871  | 9.906  | VV | 3159   | 59358   | 1.11%  | 0.056% |
| 136 | 9.933  | 9.906  | 9.946  | VV | 3105   | 68436   | 1.28%  | 0.065% |
| 137 | 9.957  | 9.946  | 9.974  | VV | 3429   | 52813   | 0.99%  | 0.050% |
| 138 | 10.013 | 9.974  | 10.024 | VV | 3705   | 99057   | 1.85%  | 0.094% |
| 139 | 10.042 | 10.024 | 10.052 | VV | 4019   | 64857   | 1.21%  | 0.061% |
| 140 | 10.085 | 10.052 | 10.104 | VV | 5816   | 156003  | 2.91%  | 0.147% |
| 141 | 10.123 | 10.104 | 10.136 | VV | 5395   | 99150   | 1.85%  | 0.094% |

|     |        |        |        |    | rteres |         |        |        |
|-----|--------|--------|--------|----|--------|---------|--------|--------|
| 142 | 10.160 | 10.136 | 10.186 | VV | 6327   | 176449  | 3.30%  | 0.167% |
| 143 | 10.198 | 10.186 | 10.214 | VV | 5678   | 91209   | 1.70%  | 0.086% |
| 144 | 10.227 | 10.214 | 10.249 | VV | 6583   | 118148  | 2.21%  | 0.112% |
| 145 | 10.329 | 10.249 | 10.345 | VV | 7761   | 357507  | 6.68%  | 0.338% |
|     |        |        |        |    |        |         |        |        |
| 146 | 10.361 | 10.345 | 10.376 | VV | 7061   | 123445  | 2.31%  | 0.117% |
| 147 | 10.433 | 10.376 | 10.466 | VV | 10677  | 426608  | 7.97%  | 0.403% |
| 148 | 10.505 | 10.466 | 10.534 | VV | 12080  | 390455  | 7.30%  | 0.369% |
| 149 | 10.561 | 10.534 | 10.599 | VV | 9300   | 341033  | 6.37%  | 0.322% |
| 150 | 10.673 | 10.599 | 10.724 | VV | 16473  | 759184  | 14.18% | 0.717% |
|     |        |        |        |    |        |         |        |        |
| 151 | 10.748 | 10.724 | 10.791 | VV | 13455  | 440314  | 8.23%  | 0.416% |
| 152 | 10.809 | 10.791 | 10.829 | VV | 12040  | 261129  | 4.88%  | 0.247% |
| 153 | 10.845 | 10.829 | 10.872 | VV | 11353  | 283116  | 5.29%  | 0.267% |
| 154 | 10.915 | 10.872 | 10.926 | VV | 12638  | 367390  | 6.86%  | 0.347% |
| 155 | 10.937 | 10.926 | 10.951 | VV | 12416  | 179431  | 3.35%  | 0.169% |
|     |        |        |        |    |        |         |        |        |
| 156 | 10.959 | 10.951 | 11.012 | VV | 13070  | 459457  | 8.58%  | 0.434% |
| 157 | 11.020 | 11.012 | 11.041 | VV | 12794  | 213880  | 4.00%  | 0.202% |
| 158 | 11.077 | 11.041 | 11.112 | VV | 16683  | 607896  | 11.36% | 0.574% |
| 159 | 11.136 | 11.112 | 11.163 | VV | 15831  | 433491  | 8.10%  | 0.409% |
| 160 | 11.227 | 11.163 | 11.257 | VV | 17611  | 836696  | 15.63% | 0.790% |
|     |        |        |        |    |        |         |        |        |
| 161 | 11.277 | 11.257 | 11.304 | VV | 15042  | 401096  | 7.49%  | 0.379% |
| 162 | 11.364 | 11.304 | 11.395 | VV | 16271  | 813938  | 15.21% | 0.769% |
| 163 | 11.444 | 11.395 | 11.479 | VV | 384582 | 4729669 | 88.37% | 4.466% |
| 164 | 11.508 | 11.479 | 11.557 | VV | 19945  | 832160  | 15.55% | 0.786% |
| 165 | 11.586 | 11.557 | 11.606 | VV | 20830  | 536463  | 10.02% | 0.507% |
|     |        |        |        |    |        |         |        |        |
| 166 | 11.622 | 11.606 | 11.639 | VV | 19872  | 374060  | 6.99%  | 0.353% |
| 167 | 11.654 | 11.639 | 11.677 | VV | 19272  | 416424  | 7.78%  | 0.393% |
| 168 | 11.685 | 11.677 | 11.700 | VV | 18014  | 237707  | 4.44%  | 0.224% |
| 169 | 11.739 | 11.700 | 11.752 | VV | 20943  | 553317  | 10.34% | 0.522% |
| 170 | 11.770 | 11.752 | 11.831 | VV | 24207  | 929972  | 17.38% | 0.878% |
|     |        |        |        |    |        |         |        |        |
| 171 | 11.851 | 11.831 | 11.861 | VV | 18912  | 322474  | 6.02%  | 0.304% |
| 172 | 11.902 | 11.861 | 11.922 | VV | 22164  | 737867  | 13.79% | 0.697% |
| 173 | 11.941 | 11.922 | 11.982 | VV | 23323  | 693863  | 12.96% | 0.655% |
| 174 | 12.035 | 11.982 | 12.081 | VV | 23220  | 1133155 | 21.17% | 1.070% |
| 175 | 12.103 | 12.081 | 12.142 | VV | 20491  | 669686  | 12.51% | 0.632% |
|     |        |        |        |    |        |         |        |        |
| 176 | 12.186 | 12.142 | 12.242 | VV | 27504  | 1171185 | 21.88% | 1.106% |
| 177 | 12.287 | 12.242 | 12.309 | VV | 18293  | 690152  | 12.89% | 0.652% |
| 178 | 12.321 | 12.309 | 12.336 | VV | 17253  | 271069  | 5.06%  | 0.256% |
| 179 | 12.371 | 12.336 | 12.390 | VV | 19136  | 568487  | 10.62% | 0.537% |
| 180 | 12.429 | 12.390 | 12.461 | VV | 33525  | 919929  | 17.19% | 0.869% |
|     |        |        |        |    |        |         |        |        |
| 181 | 12.484 | 12.461 | 12.512 | VV | 31065  | 665821  | 12.44% | 0.629% |
| 182 | 12.535 | 12.512 | 12.570 | VV | 18341  | 582454  | 10.88% | 0.550% |
| 183 | 12.585 | 12.570 | 12.627 | VV | 16638  | 521241  | 9.74%  | 0.492% |
| 184 | 12.664 | 12.627 | 12.679 | VV | 15104  | 455558  | 8.51%  | 0.430% |
| 185 | 12.697 | 12.679 | 12.737 | VV | 14922  | 500996  | 9.36%  | 0.473% |
|     |        |        |        |    |        |         |        |        |
| 186 | 12.779 | 12.737 | 12.807 | VV | 27488  | 756248  | 14.13% | 0.714% |
| 187 | 12.821 | 12.807 | 12.849 | VV | 15541  | 377287  | 7.05%  | 0.356% |
| 188 | 12.883 | 12.849 | 12.932 | VV | 228714 | 3373667 | 63.03% | 3.185% |
| 189 | 12.943 | 12.932 | 12.950 | VV | 14360  | 153658  | 2.87%  | 0.145% |
| 190 | 12.982 | 12.950 | 13.003 | VV | 14657  | 454226  | 8.49%  | 0.429% |
|     |        |        |        |    |        |         |        |        |
| 191 | 13.011 | 13.003 | 13.030 | VV | 14487  | 218741  | 4.09%  | 0.207% |
| 192 | 13.051 | 13.030 | 13.078 | VV | 15786  | 411641  | 7.69%  | 0.389% |
| 193 | 13.096 | 13.078 | 13.130 | VV | 15093  | 427596  | 7.99%  | 0.404% |
| 194 | 13.144 | 13.130 | 13.161 | VV | 13629  | 236456  | 4.42%  | 0.223% |

| rteres |        |        |        |    |       |        |        |        |
|--------|--------|--------|--------|----|-------|--------|--------|--------|
| 195    | 13.180 | 13.161 | 13.191 | VV | 13672 | 229633 | 4.29%  | 0.217% |
| 196    | 13.206 | 13.191 | 13.222 | VV | 13420 | 236137 | 4.41%  | 0.223% |
| 197    | 13.241 | 13.222 | 13.284 | VV | 13350 | 462291 | 8.64%  | 0.436% |
| 198    | 13.306 | 13.284 | 13.342 | VV | 13380 | 420680 | 7.86%  | 0.397% |
| 199    | 13.370 | 13.342 | 13.400 | VV | 13534 | 419923 | 7.85%  | 0.396% |
| 200    | 13.409 | 13.400 | 13.440 | VV | 11595 | 267208 | 4.99%  | 0.252% |
| 201    | 13.485 | 13.440 | 13.509 | VV | 13047 | 468178 | 8.75%  | 0.442% |
| 202    | 13.516 | 13.509 | 13.539 | VV | 11407 | 189609 | 3.54%  | 0.179% |
| 203    | 13.556 | 13.539 | 13.606 | VV | 11154 | 407237 | 7.61%  | 0.385% |
| 204    | 13.634 | 13.606 | 13.660 | VV | 13485 | 374019 | 6.99%  | 0.353% |
| 205    | 13.677 | 13.660 | 13.718 | VV | 11260 | 345611 | 6.46%  | 0.326% |
| 206    | 13.739 | 13.718 | 13.758 | VV | 9325  | 210441 | 3.93%  | 0.199% |
| 207    | 13.781 | 13.758 | 13.809 | VV | 9073  | 257304 | 4.81%  | 0.243% |
| 208    | 13.834 | 13.809 | 13.880 | VV | 9023  | 349910 | 6.54%  | 0.330% |
| 209    | 13.896 | 13.880 | 13.934 | VV | 8009  | 244858 | 4.57%  | 0.231% |
| 210    | 13.951 | 13.934 | 13.972 | VV | 8298  | 168586 | 3.15%  | 0.159% |
| 211    | 13.987 | 13.972 | 14.002 | VV | 8028  | 124590 | 2.33%  | 0.118% |
| 212    | 14.023 | 14.002 | 14.033 | VV | 7144  | 131288 | 2.45%  | 0.124% |
| 213    | 14.053 | 14.033 | 14.067 | VV | 8623  | 156110 | 2.92%  | 0.147% |
| 214    | 14.075 | 14.067 | 14.116 | VV | 7164  | 196886 | 3.68%  | 0.186% |
| 215    | 14.131 | 14.116 | 14.163 | VV | 7389  | 183761 | 3.43%  | 0.174% |
| 216    | 14.196 | 14.163 | 14.217 | VV | 8753  | 228050 | 4.26%  | 0.215% |
| 217    | 14.249 | 14.217 | 14.324 | VV | 23781 | 660556 | 12.34% | 0.624% |
| 218    | 14.343 | 14.324 | 14.396 | VV | 7252  | 235465 | 4.40%  | 0.222% |
| 219    | 14.437 | 14.396 | 14.467 | VV | 5765  | 208830 | 3.90%  | 0.197% |
| 220    | 14.484 | 14.467 | 14.507 | VV | 5888  | 121409 | 2.27%  | 0.115% |
| 221    | 14.514 | 14.507 | 14.528 | VV | 4493  | 53436  | 1.00%  | 0.050% |
| 222    | 14.545 | 14.528 | 14.566 | VV | 4457  | 85889  | 1.60%  | 0.081% |
| 223    | 14.573 | 14.566 | 14.603 | VV | 4103  | 78945  | 1.47%  | 0.075% |
| 224    | 14.655 | 14.603 | 14.667 | VV | 7159  | 188143 | 3.52%  | 0.178% |
| 225    | 14.692 | 14.667 | 14.714 | VV | 10471 | 212820 | 3.98%  | 0.201% |
| 226    | 14.733 | 14.714 | 14.754 | VV | 6996  | 143071 | 2.67%  | 0.135% |
| 227    | 14.777 | 14.754 | 14.836 | VV | 10593 | 280925 | 5.25%  | 0.265% |
| 228    | 14.852 | 14.836 | 14.866 | VV | 3684  | 58411  | 1.09%  | 0.055% |
| 229    | 14.871 | 14.866 | 14.914 | VV | 3095  | 58571  | 1.09%  | 0.055% |
| 230    | 14.970 | 14.914 | 15.009 | VV | 4852  | 194142 | 3.63%  | 0.183% |
| 231    | 15.027 | 15.009 | 15.096 | VV | 3376  | 127767 | 2.39%  | 0.121% |
| 232    | 15.130 | 15.096 | 15.191 | VV | 10260 | 372548 | 6.96%  | 0.352% |
| 233    | 15.230 | 15.191 | 15.238 | VV | 6795  | 174475 | 3.26%  | 0.165% |
| 234    | 15.255 | 15.238 | 15.287 | VV | 7592  | 140769 | 2.63%  | 0.133% |
| 235    | 15.313 | 15.287 | 15.356 | VV | 8832  | 164055 | 3.07%  | 0.155% |
| 236    | 15.377 | 15.356 | 15.399 | VV | 2655  | 34136  | 0.64%  | 0.032% |
| 237    | 15.432 | 15.399 | 15.454 | PV | 5120  | 125152 | 2.34%  | 0.118% |
| 238    | 15.480 | 15.454 | 15.516 | VV | 5987  | 170471 | 3.18%  | 0.161% |
| 239    | 15.532 | 15.516 | 15.549 | VV | 4437  | 72868  | 1.36%  | 0.069% |
| 240    | 15.566 | 15.549 | 15.602 | VV | 4470  | 102134 | 1.91%  | 0.096% |
| 241    | 15.617 | 15.602 | 15.632 | VV | 2793  | 39642  | 0.74%  | 0.037% |
| 242    | 15.673 | 15.632 | 15.689 | VV | 6500  | 136021 | 2.54%  | 0.128% |
| 243    | 15.707 | 15.689 | 15.737 | VV | 6564  | 147644 | 2.76%  | 0.139% |
| 244    | 15.746 | 15.737 | 15.772 | VV | 4958  | 87151  | 1.63%  | 0.082% |
| 245    | 15.813 | 15.772 | 15.844 | VV | 7468  | 162857 | 3.04%  | 0.154% |
| 246    | 15.859 | 15.844 | 15.867 | VV | 2536  | 26794  | 0.50%  | 0.025% |

| rteres |        |        |        |    |       |         |        |        |
|--------|--------|--------|--------|----|-------|---------|--------|--------|
| 247    | 15.891 | 15.867 | 15.901 | VV | 4697  | 71219   | 1.33%  | 0.067% |
| 248    | 15.923 | 15.901 | 15.939 | VV | 6078  | 114445  | 2.14%  | 0.108% |
| 249    | 15.962 | 15.939 | 16.021 | VV | 7911  | 244354  | 4.57%  | 0.231% |
| 250    | 16.043 | 16.021 | 16.062 | VV | 5069  | 96457   | 1.80%  | 0.091% |
|        |        |        |        |    |       |         |        |        |
| 251    | 16.083 | 16.062 | 16.106 | VV | 5476  | 115848  | 2.16%  | 0.109% |
| 252    | 16.142 | 16.106 | 16.177 | VV | 9231  | 288282  | 5.39%  | 0.272% |
| 253    | 16.205 | 16.177 | 16.222 | VV | 12846 | 253687  | 4.74%  | 0.240% |
| 254    | 16.236 | 16.222 | 16.277 | VV | 9512  | 196367  | 3.67%  | 0.185% |
| 255    | 16.306 | 16.277 | 16.352 | VV | 6355  | 207066  | 3.87%  | 0.196% |
|        |        |        |        |    |       |         |        |        |
| 256    | 16.393 | 16.352 | 16.411 | VV | 6436  | 187363  | 3.50%  | 0.177% |
| 257    | 16.422 | 16.411 | 16.479 | VV | 7110  | 199102  | 3.72%  | 0.188% |
| 258    | 16.510 | 16.479 | 16.559 | VV | 6982  | 241011  | 4.50%  | 0.228% |
| 259    | 16.583 | 16.559 | 16.596 | VV | 6108  | 99559   | 1.86%  | 0.094% |
| 260    | 16.610 | 16.596 | 16.632 | VV | 5237  | 86204   | 1.61%  | 0.081% |
|        |        |        |        |    |       |         |        |        |
| 261    | 16.666 | 16.632 | 16.687 | VV | 6542  | 162953  | 3.04%  | 0.154% |
| 262    | 16.705 | 16.687 | 16.731 | VV | 8909  | 170728  | 3.19%  | 0.161% |
| 263    | 16.746 | 16.731 | 16.756 | VV | 4672  | 57994   | 1.08%  | 0.055% |
| 264    | 16.777 | 16.756 | 16.802 | VV | 6219  | 126419  | 2.36%  | 0.119% |
| 265    | 16.813 | 16.802 | 16.851 | VV | 4063  | 94943   | 1.77%  | 0.090% |
|        |        |        |        |    |       |         |        |        |
| 266    | 16.868 | 16.851 | 16.883 | VV | 4257  | 71077   | 1.33%  | 0.067% |
| 267    | 16.924 | 16.883 | 16.971 | VV | 7122  | 243331  | 4.55%  | 0.230% |
| 268    | 17.011 | 16.971 | 17.034 | VV | 4337  | 115514  | 2.16%  | 0.109% |
| 269    | 17.098 | 17.034 | 17.127 | VV | 7096  | 247368  | 4.62%  | 0.234% |
| 270    | 17.151 | 17.127 | 17.192 | VV | 10329 | 219315  | 4.10%  | 0.207% |
|        |        |        |        |    |       |         |        |        |
| 271    | 17.212 | 17.192 | 17.230 | VV | 7263  | 114508  | 2.14%  | 0.108% |
| 272    | 17.249 | 17.230 | 17.293 | VV | 5546  | 131456  | 2.46%  | 0.124% |
| 273    | 17.306 | 17.293 | 17.329 | VV | 2936  | 43883   | 0.82%  | 0.041% |
| 274    | 17.340 | 17.329 | 17.396 | VV | 2861  | 64567   | 1.21%  | 0.061% |
| 275    | 17.407 | 17.396 | 17.447 | VV | 2100  | 47391   | 0.89%  | 0.045% |
|        |        |        |        |    |       |         |        |        |
| 276    | 17.504 | 17.447 | 17.531 | VV | 9702  | 230946  | 4.31%  | 0.218% |
| 277    | 17.580 | 17.531 | 17.630 | VV | 11019 | 334321  | 6.25%  | 0.316% |
| 278    | 17.674 | 17.630 | 17.691 | VV | 7640  | 181492  | 3.39%  | 0.171% |
| 279    | 17.716 | 17.691 | 17.767 | VV | 12860 | 381982  | 7.14%  | 0.361% |
| 280    | 17.788 | 17.767 | 17.832 | VV | 12054 | 262684  | 4.91%  | 0.248% |
|        |        |        |        |    |       |         |        |        |
| 281    | 17.847 | 17.832 | 17.861 | VV | 4946  | 77384   | 1.45%  | 0.073% |
| 282    | 17.894 | 17.861 | 17.927 | VV | 10141 | 272074  | 5.08%  | 0.257% |
| 283    | 17.947 | 17.927 | 17.986 | VV | 8713  | 270788  | 5.06%  | 0.256% |
| 284    | 18.011 | 17.986 | 18.036 | VV | 16065 | 299964  | 5.60%  | 0.283% |
| 285    | 18.080 | 18.036 | 18.137 | VV | 17046 | 507854  | 9.49%  | 0.480% |
|        |        |        |        |    |       |         |        |        |
| 286    | 18.148 | 18.137 | 18.176 | VV | 3891  | 77855   | 1.45%  | 0.074% |
| 287    | 18.203 | 18.176 | 18.217 | VV | 5264  | 104227  | 1.95%  | 0.098% |
| 288    | 18.240 | 18.217 | 18.257 | VV | 6272  | 124986  | 2.34%  | 0.118% |
| 289    | 18.272 | 18.257 | 18.336 | VV | 5648  | 209803  | 3.92%  | 0.198% |
| 290    | 18.350 | 18.336 | 18.362 | VV | 4337  | 65530   | 1.22%  | 0.062% |
|        |        |        |        |    |       |         |        |        |
| 291    | 18.417 | 18.362 | 18.479 | VV | 13320 | 481669  | 9.00%  | 0.455% |
| 292    | 18.510 | 18.479 | 18.537 | VV | 11310 | 271806  | 5.08%  | 0.257% |
| 293    | 18.555 | 18.537 | 18.589 | VV | 8311  | 208607  | 3.90%  | 0.197% |
| 294    | 18.597 | 18.589 | 18.606 | VV | 5634  | 51307   | 0.96%  | 0.048% |
| 295    | 18.677 | 18.606 | 18.706 | VV | 14946 | 499838  | 9.34%  | 0.472% |
|        |        |        |        |    |       |         |        |        |
| 296    | 18.828 | 18.706 | 18.858 | VV | 23085 | 1327011 | 24.79% | 1.253% |
| 297    | 18.868 | 18.858 | 18.892 | VV | 13470 | 243612  | 4.55%  | 0.230% |
| 298    | 18.924 | 18.892 | 18.964 | VV | 15961 | 519611  | 9.71%  | 0.491% |
| 299    | 18.987 | 18.964 | 18.995 | VV | 9743  | 178277  | 3.33%  | 0.168% |

| rteres                  |        |        |        |     |           |         |        |        |
|-------------------------|--------|--------|--------|-----|-----------|---------|--------|--------|
| 300                     | 19.016 | 18.995 | 19.031 | VV  | 10346     | 212770  | 3.98%  | 0.201% |
| 301                     | 19.050 | 19.031 | 19.070 | VV  | 11672     | 241761  | 4.52%  | 0.228% |
| 302                     | 19.088 | 19.070 | 19.101 | VV  | 11173     | 188406  | 3.52%  | 0.178% |
| 303                     | 19.119 | 19.101 | 19.146 | VV  | 10289     | 268092  | 5.01%  | 0.253% |
| 304                     | 19.156 | 19.146 | 19.167 | VV  | 10503     | 135729  | 2.54%  | 0.128% |
| 305                     | 19.202 | 19.167 | 19.222 | VV  | 15951     | 438079  | 8.18%  | 0.414% |
| 306                     | 19.248 | 19.222 | 19.279 | VV  | 18027     | 519678  | 9.71%  | 0.491% |
| 307                     | 19.307 | 19.279 | 19.336 | VV  | 17735     | 499951  | 9.34%  | 0.472% |
| 308                     | 19.370 | 19.336 | 19.389 | VV  | 14982     | 452372  | 8.45%  | 0.427% |
| 309                     | 19.402 | 19.389 | 19.416 | VV  | 15179     | 230148  | 4.30%  | 0.217% |
| 310                     | 19.521 | 19.416 | 19.556 | VV  | 18999     | 1394389 | 26.05% | 1.317% |
| 311                     | 19.608 | 19.556 | 19.662 | VV  | 21866     | 1237984 | 23.13% | 1.169% |
| 312                     | 19.724 | 19.662 | 19.746 | VV  | 20534     | 959053  | 17.92% | 0.906% |
| 313                     | 19.769 | 19.746 | 19.782 | VV  | 20531     | 431059  | 8.05%  | 0.407% |
| 314                     | 19.849 | 19.782 | 19.884 | VV  | 25973     | 1386030 | 25.90% | 1.309% |
| 315                     | 19.935 | 19.884 | 19.947 | VV  | 23944     | 868433  | 16.23% | 0.820% |
| 316                     | 19.982 | 19.947 | 20.024 | VV  | 25330     | 1129866 | 21.11% | 1.067% |
| 317                     | 20.045 | 20.024 | 20.066 | VV  | 26367     | 625530  | 11.69% | 0.591% |
| 318                     | 20.094 | 20.066 | 20.121 | VV  | 27277     | 876248  | 16.37% | 0.827% |
| 319                     | 20.136 | 20.121 | 20.157 | VV  | 27905     | 602199  | 11.25% | 0.569% |
| 320                     | 20.183 | 20.157 | 20.199 | VV  | 29191     | 709198  | 13.25% | 0.670% |
| 321                     | 20.301 | 20.199 | 20.359 | VV  | 35571     | 3091240 | 57.75% | 2.919% |
| 322                     | 20.375 | 20.359 | 20.389 | VV  | 33129     | 590880  | 11.04% | 0.558% |
| 323                     | 20.403 | 20.389 | 20.424 | VV  | 33659     | 690047  | 12.89% | 0.652% |
| 324                     | 20.440 | 20.424 | 20.486 | VV  | 33355     | 1199483 | 22.41% | 1.133% |
| 325                     | 20.496 | 20.486 | 20.504 | VV  | 31991     | 347399  | 6.49%  | 0.328% |
| 326                     | 20.511 | 20.504 | 20.536 | VV  | 31575     | 592954  | 11.08% | 0.560% |
| 327                     | 20.547 | 20.536 | 20.585 | VV  | 32151     | 915816  | 17.11% | 0.865% |
| 328                     | 20.598 | 20.585 | 20.606 | VV  | 30453     | 368241  | 6.88%  | 0.348% |
| 329                     | 20.616 | 20.606 | 20.639 | VV  | 30143     | 593828  | 11.09% | 0.561% |
| 330                     | 20.651 | 20.639 | 20.714 | VV  | 29984     | 1289461 | 24.09% | 1.218% |
| 331                     | 20.727 | 20.714 | 20.764 | VV  | 27426     | 805941  | 15.06% | 0.761% |
| 332                     | 20.781 | 20.764 | 20.808 | VV  | 26989     | 703751  | 13.15% | 0.664% |
| 333                     | 20.834 | 20.808 | 20.847 | VV  | 27060     | 632500  | 11.82% | 0.597% |
| 334                     | 20.858 | 20.847 | 20.881 | VV  | 26962     | 534112  | 9.98%  | 0.504% |
| 335                     | 20.910 | 20.881 | 20.962 | VV  | 27136     | 1286408 | 24.03% | 1.215% |
| 336                     | 20.969 | 20.962 | 20.996 | VV  | 25728     | 503019  | 9.40%  | 0.475% |
| 337                     | 21.007 | 20.996 | 21.037 | VV  | 25084     | 619321  | 11.57% | 0.585% |
| 338                     | 21.046 | 21.037 | 21.167 | VV  | 25472     | 1865681 | 34.86% | 1.762% |
| 339                     | 21.269 | 21.167 | 21.421 | VV  | 28898     | 3646358 | 68.13% | 3.443% |
| 340                     | 21.430 | 21.421 | 21.484 | VV  | 20480     | 758695  | 14.17% | 0.716% |
| 341                     | 21.511 | 21.484 | 21.527 | VV  | 20113     | 519262  | 9.70%  | 0.490% |
| 342                     | 21.535 | 21.527 | 21.544 | VV  | 20134     | 198982  | 3.72%  | 0.188% |
| 343                     | 21.551 | 21.544 | 21.624 | VV  | 19827     | 903142  | 16.87% | 0.853% |
| 344                     | 21.631 | 21.624 | 21.712 | VV  | 18189     | 928090  | 17.34% | 0.876% |
| 345                     | 21.737 | 21.712 | 21.753 | VV  | 17030     | 407806  | 7.62%  | 0.385% |
| 346                     | 21.768 | 21.753 | 21.801 | VBA | 16556     | 493742  | 9.22%  | 0.466% |
| Sum of corrected areas: |        |        |        |     | 105910238 |         |        |        |

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