

rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\F071019AL\  
 Data File : FC042301.D  
 Signal(s) : FID1A.CH  
 Acq On : 11 Jul 2019 00:40  
 Sample : K3627-01MS  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Alaphatic EPH 070919.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         | 3.496       | 3.467        | 3.594      | PV       | 243241         | 1981219      | 1.33%          | 0.292%        |
| 2         | 3.615       | 3.594        | 3.658      | VV       | 326            | 7546         | 0.01%          | 0.001%        |
| 3         | 3.698       | 3.658        | 3.711      | VV       | 276            | 4255         | 0.00%          | 0.001%        |
| 4         | 3.730       | 3.711        | 3.748      | VV       | 254            | 2310         | 0.00%          | 0.000%        |
| 5         | 3.775       | 3.748        | 3.787      | PV       | 313            | 3934         | 0.00%          | 0.001%        |
| 6         | 3.821       | 3.787        | 3.847      | VV       | 996            | 20540        | 0.01%          | 0.003%        |
| 7         | 3.859       | 3.847        | 3.875      | VV       | 579            | 8212         | 0.01%          | 0.001%        |
| 8         | 3.880       | 3.875        | 3.918      | VV       | 574            | 6239         | 0.00%          | 0.001%        |
| 9         | 3.934       | 3.918        | 3.958      | VV       | 201            | 2705         | 0.00%          | 0.000%        |
| 10        | 3.990       | 3.958        | 4.032      | VV       | 367            | 6350         | 0.00%          | 0.001%        |
| 11        | 4.042       | 4.032        | 4.054      | VV       | 204            | 1852         | 0.00%          | 0.000%        |
| 12        | 4.060       | 4.054        | 4.089      | VV       | 229            | 4414         | 0.00%          | 0.001%        |
| 13        | 4.101       | 4.089        | 4.111      | VV       | 221            | 1968         | 0.00%          | 0.000%        |
| 14        | 4.120       | 4.111        | 4.134      | VV       | 155            | 1151         | 0.00%          | 0.000%        |
| 15        | 4.181       | 4.134        | 4.229      | PV       | 3206           | 70948        | 0.05%          | 0.010%        |
| 16        | 4.242       | 4.229        | 4.282      | VV       | 597            | 13787        | 0.01%          | 0.002%        |
| 17        | 4.333       | 4.282        | 4.427      | VV       | 9903           | 129046       | 0.09%          | 0.019%        |
| 18        | 4.437       | 4.427        | 4.459      | VV       | 335            | 3404         | 0.00%          | 0.001%        |
| 19        | 4.488       | 4.459        | 4.507      | VV       | 232            | 3364         | 0.00%          | 0.000%        |
| 20        | 4.520       | 4.507        | 4.530      | VV       | 138            | 1138         | 0.00%          | 0.000%        |
| 21        | 4.560       | 4.530        | 4.584      | PV       | 276521         | 2426097      | 1.62%          | 0.358%        |
| 22        | 4.607       | 4.584        | 4.690      | VV       | 310021         | 2659768      | 1.78%          | 0.393%        |
| 23        | 4.715       | 4.690        | 4.736      | VV       | 1216           | 17721        | 0.01%          | 0.003%        |
| 24        | 4.781       | 4.736        | 4.830      | VV       | 2361           | 43338        | 0.03%          | 0.006%        |
| 25        | 4.845       | 4.830        | 4.862      | VV       | 405            | 5664         | 0.00%          | 0.001%        |
| 26        | 4.894       | 4.862        | 4.925      | VV       | 1715           | 30353        | 0.02%          | 0.004%        |
| 27        | 4.939       | 4.925        | 4.959      | VV       | 661            | 8627         | 0.01%          | 0.001%        |
| 28        | 4.979       | 4.959        | 5.002      | VV       | 594            | 11642        | 0.01%          | 0.002%        |
| 29        | 5.014       | 5.002        | 5.030      | VV       | 713            | 9090         | 0.01%          | 0.001%        |
| 30        | 5.040       | 5.030        | 5.075      | VV       | 545            | 9568         | 0.01%          | 0.001%        |
| 31        | 5.089       | 5.075        | 5.109      | VV       | 457            | 5789         | 0.00%          | 0.001%        |
| 32        | 5.123       | 5.109        | 5.135      | VV       | 432            | 4446         | 0.00%          | 0.001%        |
| 33        | 5.165       | 5.135        | 5.177      | VV       | 594            | 10201        | 0.01%          | 0.002%        |
| 34        | 5.191       | 5.177        | 5.237      | VV       | 1033           | 21875        | 0.01%          | 0.003%        |
| 35        | 5.251       | 5.237        | 5.264      | VV       | 595            | 7107         | 0.00%          | 0.001%        |
| 36        | 5.298       | 5.264        | 5.312      | VV       | 5723           | 69314        | 0.05%          | 0.010%        |
| 37        | 5.325       | 5.312        | 5.388      | VV       | 4383           | 69284        | 0.05%          | 0.010%        |
| 38        | 5.409       | 5.388        | 5.449      | VV       | 2108           | 30560        | 0.02%          | 0.005%        |
| 39        | 5.470       | 5.449        | 5.507      | VV       | 875            | 19013        | 0.01%          | 0.003%        |
| 40        | 5.536       | 5.507        | 5.569      | VV       | 464            | 11102        | 0.01%          | 0.002%        |
| 41        | 5.588       | 5.569        | 5.610      | PV       | 3645           | 40767        | 0.03%          | 0.006%        |
| 42        | 5.628       | 5.610        | 5.639      | VV       | 3467           | 33322        | 0.02%          | 0.005%        |

|     |       |       |       |    |        |         |       |        |
|-----|-------|-------|-------|----|--------|---------|-------|--------|
|     |       |       |       |    |        | rteres  |       |        |
| 43  | 5.653 | 5.639 | 5.715 | VV | 5673   | 69289   | 0.05% | 0.010% |
| 44  | 5.739 | 5.715 | 5.760 | VV | 448    | 9445    | 0.01% | 0.001% |
| 45  | 5.804 | 5.760 | 5.850 | VV | 5639   | 92403   | 0.06% | 0.014% |
| 46  | 5.878 | 5.850 | 5.910 | VV | 2075   | 42474   | 0.03% | 0.006% |
| 47  | 5.929 | 5.910 | 5.949 | VV | 2081   | 24491   | 0.02% | 0.004% |
| 48  | 5.969 | 5.949 | 5.987 | VV | 1899   | 26861   | 0.02% | 0.004% |
| 49  | 6.001 | 5.987 | 6.024 | VV | 1095   | 17132   | 0.01% | 0.003% |
| 50  | 6.042 | 6.024 | 6.067 | VV | 1411   | 16972   | 0.01% | 0.003% |
| 51  | 6.090 | 6.067 | 6.104 | PV | 1415   | 20514   | 0.01% | 0.003% |
| 52  | 6.144 | 6.104 | 6.210 | VV | 349532 | 3303516 | 2.21% | 0.488% |
| 53  | 6.224 | 6.210 | 6.255 | VV | 1807   | 33202   | 0.02% | 0.005% |
| 54  | 6.279 | 6.255 | 6.300 | VV | 2566   | 46211   | 0.03% | 0.007% |
| 55  | 6.317 | 6.300 | 6.342 | VV | 1306   | 26109   | 0.02% | 0.004% |
| 56  | 6.357 | 6.342 | 6.379 | VV | 1657   | 24411   | 0.02% | 0.004% |
| 57  | 6.409 | 6.379 | 6.426 | VV | 2165   | 39905   | 0.03% | 0.006% |
| 58  | 6.446 | 6.426 | 6.469 | VV | 1778   | 34738   | 0.02% | 0.005% |
| 59  | 6.509 | 6.469 | 6.533 | VV | 2535   | 57189   | 0.04% | 0.008% |
| 60  | 6.563 | 6.533 | 6.637 | VV | 322681 | 3132237 | 2.10% | 0.462% |
| 61  | 6.655 | 6.637 | 6.667 | VV | 1250   | 19010   | 0.01% | 0.003% |
| 62  | 6.709 | 6.667 | 6.732 | VV | 3991   | 72677   | 0.05% | 0.011% |
| 63  | 6.762 | 6.732 | 6.802 | VV | 2377   | 53104   | 0.04% | 0.008% |
| 64  | 6.844 | 6.802 | 6.864 | VV | 2397   | 47351   | 0.03% | 0.007% |
| 65  | 6.901 | 6.864 | 6.930 | VV | 2383   | 57798   | 0.04% | 0.009% |
| 66  | 6.970 | 6.930 | 6.992 | VV | 6322   | 87751   | 0.06% | 0.013% |
| 67  | 7.019 | 6.992 | 7.048 | VV | 2350   | 53435   | 0.04% | 0.008% |
| 68  | 7.072 | 7.048 | 7.083 | VV | 2394   | 40416   | 0.03% | 0.006% |
| 69  | 7.098 | 7.083 | 7.107 | VV | 2663   | 34992   | 0.02% | 0.005% |
| 70  | 7.122 | 7.107 | 7.142 | VV | 3105   | 48798   | 0.03% | 0.007% |
| 71  | 7.193 | 7.142 | 7.245 | VV | 371608 | 3655940 | 2.45% | 0.540% |
| 72  | 7.260 | 7.245 | 7.277 | VV | 4689   | 65239   | 0.04% | 0.010% |
| 73  | 7.285 | 7.277 | 7.306 | VV | 2745   | 35722   | 0.02% | 0.005% |
| 74  | 7.328 | 7.306 | 7.347 | VV | 4408   | 66218   | 0.04% | 0.010% |
| 75  | 7.372 | 7.347 | 7.426 | VV | 7188   | 165211  | 0.11% | 0.024% |
| 76  | 7.477 | 7.426 | 7.513 | VV | 16420  | 258298  | 0.17% | 0.038% |
| 77  | 7.531 | 7.513 | 7.545 | VV | 3211   | 46219   | 0.03% | 0.007% |
| 78  | 7.560 | 7.545 | 7.609 | VV | 5274   | 107994  | 0.07% | 0.016% |
| 79  | 7.617 | 7.609 | 7.629 | VV | 1535   | 16652   | 0.01% | 0.002% |
| 80  | 7.658 | 7.629 | 7.674 | VV | 3894   | 67961   | 0.05% | 0.010% |
| 81  | 7.682 | 7.674 | 7.697 | VV | 2759   | 30499   | 0.02% | 0.005% |
| 82  | 7.712 | 7.697 | 7.730 | VV | 1974   | 28593   | 0.02% | 0.004% |
| 83  | 7.798 | 7.730 | 7.834 | VV | 663946 | 6352968 | 4.25% | 0.938% |
| 84  | 7.843 | 7.834 | 7.864 | VV | 4292   | 58469   | 0.04% | 0.009% |
| 85  | 7.878 | 7.864 | 7.900 | VV | 2744   | 54234   | 0.04% | 0.008% |
| 86  | 7.928 | 7.900 | 7.944 | VV | 3717   | 77920   | 0.05% | 0.012% |
| 87  | 7.953 | 7.944 | 7.976 | VV | 2945   | 43047   | 0.03% | 0.006% |
| 88  | 7.998 | 7.976 | 8.022 | VV | 3783   | 62234   | 0.04% | 0.009% |
| 89  | 8.043 | 8.022 | 8.066 | VV | 4125   | 65014   | 0.04% | 0.010% |
| 90  | 8.093 | 8.066 | 8.145 | VV | 4874   | 124151  | 0.08% | 0.018% |
| 91  | 8.167 | 8.145 | 8.189 | VV | 6905   | 94082   | 0.06% | 0.014% |
| 92  | 8.204 | 8.189 | 8.217 | VV | 2570   | 38167   | 0.03% | 0.006% |
| 93  | 8.233 | 8.217 | 8.244 | VV | 2532   | 39067   | 0.03% | 0.006% |
| 94  | 8.279 | 8.244 | 8.319 | VV | 48643  | 603230  | 0.40% | 0.089% |
| 95  | 8.346 | 8.319 | 8.380 | VV | 344449 | 3556360 | 2.38% | 0.525% |
| 96  | 8.408 | 8.380 | 8.438 | VV | 24642  | 312311  | 0.21% | 0.046% |
| 97  | 8.468 | 8.438 | 8.503 | VV | 366630 | 3616694 | 2.42% | 0.534% |
| 98  | 8.517 | 8.503 | 8.529 | VV | 3797   | 49861   | 0.03% | 0.007% |
| 99  | 8.539 | 8.529 | 8.554 | VV | 3674   | 44873   | 0.03% | 0.007% |
| 100 | 8.575 | 8.554 | 8.608 | VV | 3800   | 84825   | 0.06% | 0.013% |

|     |        |        |        |    |        | rtres   |       |        |
|-----|--------|--------|--------|----|--------|---------|-------|--------|
| 101 | 8.668  | 8.608  | 8.732  | VV | 441384 | 4536580 | 3.04% | 0.670% |
| 102 | 8.763  | 8.732  | 8.855  | VV | 391279 | 3958582 | 2.65% | 0.584% |
| 103 | 8.876  | 8.855  | 8.905  | VV | 8952   | 133302  | 0.09% | 0.020% |
| 104 | 8.928  | 8.905  | 8.944  | VV | 2924   | 48157   | 0.03% | 0.007% |
| 105 | 8.967  | 8.944  | 8.977  | VV | 2178   | 37152   | 0.02% | 0.005% |
| 106 | 8.995  | 8.977  | 9.015  | VV | 3652   | 60628   | 0.04% | 0.009% |
| 107 | 9.031  | 9.015  | 9.047  | VV | 2512   | 43098   | 0.03% | 0.006% |
| 108 | 9.076  | 9.047  | 9.092  | VV | 2680   | 60592   | 0.04% | 0.009% |
| 109 | 9.118  | 9.092  | 9.137  | VV | 3763   | 71171   | 0.05% | 0.011% |
| 110 | 9.161  | 9.137  | 9.185  | VV | 18271  | 221002  | 0.15% | 0.033% |
| 111 | 9.211  | 9.185  | 9.234  | VV | 19579  | 229410  | 0.15% | 0.034% |
| 112 | 9.247  | 9.234  | 9.287  | VV | 1892   | 45382   | 0.03% | 0.007% |
| 113 | 9.322  | 9.287  | 9.339  | VV | 1729   | 38324   | 0.03% | 0.006% |
| 114 | 9.353  | 9.339  | 9.384  | VV | 1569   | 33126   | 0.02% | 0.005% |
| 115 | 9.399  | 9.384  | 9.413  | VV | 1393   | 21515   | 0.01% | 0.003% |
| 116 | 9.436  | 9.413  | 9.445  | VV | 2124   | 31996   | 0.02% | 0.005% |
| 117 | 9.454  | 9.445  | 9.467  | VV | 2207   | 25815   | 0.02% | 0.004% |
| 118 | 9.482  | 9.467  | 9.510  | VV | 4987   | 72882   | 0.05% | 0.011% |
| 119 | 9.542  | 9.510  | 9.591  | VV | 375793 | 3866901 | 2.59% | 0.571% |
| 120 | 9.615  | 9.591  | 9.645  | VV | 4057   | 87834   | 0.06% | 0.013% |
| 121 | 9.663  | 9.645  | 9.680  | VV | 3054   | 46958   | 0.03% | 0.007% |
| 122 | 9.694  | 9.680  | 9.705  | VV | 2657   | 30926   | 0.02% | 0.005% |
| 123 | 9.717  | 9.705  | 9.736  | VV | 2682   | 36334   | 0.02% | 0.005% |
| 124 | 9.756  | 9.736  | 9.765  | VV | 4987   | 59297   | 0.04% | 0.009% |
| 125 | 9.773  | 9.765  | 9.804  | VV | 5707   | 66132   | 0.04% | 0.010% |
| 126 | 9.816  | 9.804  | 9.837  | VV | 715    | 12726   | 0.01% | 0.002% |
| 127 | 9.870  | 9.837  | 9.904  | VV | 7548   | 118134  | 0.08% | 0.017% |
| 128 | 9.937  | 9.904  | 9.975  | VV | 348869 | 3617921 | 2.42% | 0.534% |
| 129 | 9.988  | 9.975  | 10.027 | VV | 1233   | 27933   | 0.02% | 0.004% |
| 130 | 10.039 | 10.027 | 10.075 | VV | 932    | 15130   | 0.01% | 0.002% |
| 131 | 10.132 | 10.075 | 10.175 | PV | 810    | 24023   | 0.02% | 0.004% |
| 132 | 10.208 | 10.175 | 10.248 | VV | 2572   | 50206   | 0.03% | 0.007% |
| 133 | 10.279 | 10.248 | 10.292 | VV | 1459   | 20253   | 0.01% | 0.003% |
| 134 | 10.324 | 10.292 | 10.352 | VV | 7053   | 112665  | 0.08% | 0.017% |
| 135 | 10.370 | 10.352 | 10.395 | VV | 1948   | 36635   | 0.02% | 0.005% |
| 136 | 10.413 | 10.395 | 10.441 | VV | 3106   | 42890   | 0.03% | 0.006% |
| 137 | 10.462 | 10.441 | 10.497 | PV | 2130   | 34692   | 0.02% | 0.005% |
| 138 | 10.515 | 10.497 | 10.530 | VV | 1209   | 15274   | 0.01% | 0.002% |
| 139 | 10.560 | 10.530 | 10.584 | VV | 8846   | 133726  | 0.09% | 0.020% |
| 140 | 10.605 | 10.584 | 10.642 | VV | 7279   | 108929  | 0.07% | 0.016% |
| 141 | 10.670 | 10.642 | 10.690 | VV | 11791  | 140970  | 0.09% | 0.021% |
| 142 | 10.721 | 10.690 | 10.764 | VV | 86349  | 1068091 | 0.72% | 0.158% |
| 143 | 10.779 | 10.764 | 10.795 | VV | 2795   | 37964   | 0.03% | 0.006% |
| 144 | 10.809 | 10.795 | 10.830 | VV | 1495   | 25712   | 0.02% | 0.004% |
| 145 | 10.840 | 10.830 | 10.859 | VV | 788    | 10224   | 0.01% | 0.002% |
| 146 | 10.941 | 10.859 | 10.987 | VV | 374227 | 4019089 | 2.69% | 0.593% |
| 147 | 11.016 | 10.987 | 11.082 | VV | 362302 | 3824528 | 2.56% | 0.564% |
| 148 | 11.087 | 11.082 | 11.108 | VV | 1622   | 18283   | 0.01% | 0.003% |
| 149 | 11.120 | 11.108 | 11.138 | VV | 1096   | 12992   | 0.01% | 0.002% |
| 150 | 11.172 | 11.138 | 11.195 | VV | 2913   | 41305   | 0.03% | 0.006% |
| 151 | 11.219 | 11.195 | 11.267 | VV | 7169   | 108824  | 0.07% | 0.016% |
| 152 | 11.292 | 11.267 | 11.320 | PV | 3738   | 51701   | 0.03% | 0.008% |
| 153 | 11.372 | 11.320 | 11.400 | VV | 337412 | 3648038 | 2.44% | 0.538% |
| 154 | 11.420 | 11.400 | 11.440 | VV | 11965  | 140774  | 0.09% | 0.021% |
| 155 | 11.460 | 11.440 | 11.482 | VV | 4177   | 63385   | 0.04% | 0.009% |
| 156 | 11.497 | 11.482 | 11.520 | VV | 2658   | 32522   | 0.02% | 0.005% |
| 157 | 11.563 | 11.520 | 11.585 | VV | 1975   | 34395   | 0.02% | 0.005% |
| 158 | 11.616 | 11.585 | 11.645 | PV | 5859   | 92216   | 0.06% | 0.014% |
| 159 | 11.654 | 11.645 | 11.665 | VV | 2028   | 21405   | 0.01% | 0.003% |

|     |        |        |        |    |         |                   |         |         |
|-----|--------|--------|--------|----|---------|-------------------|---------|---------|
| 160 | 11.697 | 11.665 | 11.752 | VV | 420530  | rteres<br>4532475 | 3.04%   | 0.669%  |
| 161 | 11.771 | 11.752 | 11.810 | VV | 2876    | 45911             | 0.03%   | 0.007%  |
| 162 | 11.851 | 11.810 | 11.871 | VV | 4397    | 76486             | 0.05%   | 0.011%  |
| 163 | 11.928 | 11.871 | 11.974 | VV | 147078  | 1914021           | 1.28%   | 0.282%  |
| 164 | 11.990 | 11.974 | 12.009 | VV | 5349    | 54840             | 0.04%   | 0.008%  |
| 165 | 12.038 | 12.009 | 12.058 | PV | 6479    | 91809             | 0.06%   | 0.014%  |
| 166 | 12.117 | 12.058 | 12.137 | VV | 3229041 | 47311649          | 31.68%  | 6.983%  |
| 167 | 12.154 | 12.137 | 12.186 | VV | 13396   | 194670            | 0.13%   | 0.029%  |
| 168 | 12.217 | 12.186 | 12.254 | VV | 4108    | 68530             | 0.05%   | 0.010%  |
| 169 | 12.332 | 12.254 | 12.374 | PV | 299666  | 6258726           | 4.19%   | 0.924%  |
| 170 | 12.381 | 12.374 | 12.397 | VV | 2484    | 29852             | 0.02%   | 0.004%  |
| 171 | 12.414 | 12.397 | 12.437 | VV | 2438    | 50321             | 0.03%   | 0.007%  |
| 172 | 12.458 | 12.437 | 12.475 | VV | 2049    | 39668             | 0.03%   | 0.006%  |
| 173 | 12.502 | 12.475 | 12.512 | VV | 5531    | 69416             | 0.05%   | 0.010%  |
| 174 | 12.529 | 12.512 | 12.537 | VV | 11506   | 127642            | 0.09%   | 0.019%  |
| 175 | 12.558 | 12.537 | 12.582 | VV | 56634   | 699035            | 0.47%   | 0.103%  |
| 176 | 12.594 | 12.582 | 12.624 | VV | 2572    | 41746             | 0.03%   | 0.006%  |
| 177 | 12.677 | 12.624 | 12.705 | VV | 305492  | 3659492           | 2.45%   | 0.540%  |
| 178 | 12.729 | 12.705 | 12.739 | VV | 63058   | 687690            | 0.46%   | 0.101%  |
| 179 | 12.761 | 12.739 | 12.834 | VV | 327500  | 3973533           | 2.66%   | 0.586%  |
| 180 | 12.855 | 12.834 | 12.882 | VV | 3036    | 49050             | 0.03%   | 0.007%  |
| 181 | 12.902 | 12.882 | 12.920 | VV | 2558    | 44421             | 0.03%   | 0.007%  |
| 182 | 12.950 | 12.920 | 13.022 | VV | 7386    | 201452            | 0.13%   | 0.030%  |
| 183 | 13.058 | 13.022 | 13.080 | PV | 337500  | 3810604           | 2.55%   | 0.562%  |
| 184 | 13.163 | 13.080 | 13.180 | VV | 5115608 | 139824834         | 93.63%  | 20.636% |
| 185 | 13.231 | 13.180 | 13.268 | VV | 6289916 | 149334768         | 100.00% | 22.040% |
| 186 | 13.301 | 13.268 | 13.321 | VV | 318697  | 4475310           | 3.00%   | 0.661%  |
| 187 | 13.367 | 13.321 | 13.385 | VV | 2110413 | 35334647          | 23.66%  | 5.215%  |
| 188 | 13.405 | 13.385 | 13.487 | VV | 580482  | 10232139          | 6.85%   | 1.510%  |
| 189 | 13.541 | 13.487 | 13.592 | VV | 129723  | 2238535           | 1.50%   | 0.330%  |
| 190 | 13.638 | 13.592 | 13.665 | VV | 87386   | 1573259           | 1.05%   | 0.232%  |
| 191 | 13.678 | 13.665 | 13.699 | VV | 17776   | 292345            | 0.20%   | 0.043%  |
| 192 | 13.742 | 13.699 | 13.758 | VV | 40099   | 821876            | 0.55%   | 0.121%  |
| 193 | 13.769 | 13.758 | 13.797 | VV | 29137   | 467686            | 0.31%   | 0.069%  |
| 194 | 13.816 | 13.797 | 13.832 | VV | 13231   | 241769            | 0.16%   | 0.036%  |
| 195 | 13.874 | 13.832 | 13.899 | VV | 311756  | 4062301           | 2.72%   | 0.600%  |
| 196 | 13.916 | 13.899 | 13.952 | VV | 35358   | 750092            | 0.50%   | 0.111%  |
| 197 | 13.988 | 13.952 | 14.027 | VV | 34133   | 1046142           | 0.70%   | 0.154%  |
| 198 | 14.043 | 14.027 | 14.058 | VV | 18465   | 272201            | 0.18%   | 0.040%  |
| 199 | 14.102 | 14.058 | 14.124 | VV | 28269   | 855750            | 0.57%   | 0.126%  |
| 200 | 14.152 | 14.124 | 14.224 | VV | 77290   | 2342538           | 1.57%   | 0.346%  |
| 201 | 14.260 | 14.224 | 14.295 | VV | 82942   | 2337082           | 1.56%   | 0.345%  |
| 202 | 14.359 | 14.295 | 14.403 | VV | 593611  | 11467126          | 7.68%   | 1.692%  |
| 203 | 14.436 | 14.403 | 14.464 | VV | 533319  | 7372675           | 4.94%   | 1.088%  |
| 204 | 14.494 | 14.464 | 14.532 | VV | 218098  | 4392480           | 2.94%   | 0.648%  |
| 205 | 14.557 | 14.532 | 14.582 | VV | 255045  | 3334765           | 2.23%   | 0.492%  |
| 206 | 14.608 | 14.582 | 14.628 | VV | 197747  | 2579701           | 1.73%   | 0.381%  |
| 207 | 14.651 | 14.628 | 14.724 | VV | 216255  | 3363999           | 2.25%   | 0.496%  |
| 208 | 14.767 | 14.724 | 14.790 | VV | 40490   | 941885            | 0.63%   | 0.139%  |
| 209 | 14.812 | 14.790 | 14.845 | VV | 52629   | 1028050           | 0.69%   | 0.152%  |
| 210 | 14.873 | 14.845 | 14.905 | VV | 25306   | 766753            | 0.51%   | 0.113%  |
| 211 | 14.935 | 14.905 | 14.949 | VV | 283517  | 3816018           | 2.56%   | 0.563%  |
| 212 | 14.973 | 14.949 | 15.004 | VV | 685607  | 9694179           | 6.49%   | 1.431%  |
| 213 | 15.026 | 15.004 | 15.041 | VV | 28995   | 430098            | 0.29%   | 0.063%  |
| 214 | 15.058 | 15.041 | 15.070 | VV | 35506   | 459086            | 0.31%   | 0.068%  |
| 215 | 15.083 | 15.070 | 15.118 | VV | 35890   | 737921            | 0.49%   | 0.109%  |
| 216 | 15.133 | 15.118 | 15.200 | VV | 23391   | 551297            | 0.37%   | 0.081%  |
| 217 | 15.283 | 15.200 | 15.324 | VV | 36993   | 1072123           | 0.72%   | 0.158%  |

|     |        |        |        |    |        |         |       |        |
|-----|--------|--------|--------|----|--------|---------|-------|--------|
|     |        |        |        |    |        | rteres  |       |        |
| 218 | 15.349 | 15.324 | 15.377 | VV | 20579  | 369172  | 0.25% | 0.054% |
| 219 | 15.396 | 15.377 | 15.419 | VV | 10751  | 205325  | 0.14% | 0.030% |
| 220 | 15.429 | 15.419 | 15.452 | VV | 5734   | 93000   | 0.06% | 0.014% |
| 221 | 15.485 | 15.452 | 15.512 | VV | 10551  | 207452  | 0.14% | 0.031% |
| 222 | 15.545 | 15.512 | 15.580 | VV | 151214 | 1888706 | 1.26% | 0.279% |
| 223 | 15.600 | 15.580 | 15.624 | VV | 6471   | 125444  | 0.08% | 0.019% |
| 224 | 15.638 | 15.624 | 15.692 | VV | 4252   | 118524  | 0.08% | 0.017% |
| 225 | 15.716 | 15.692 | 15.749 | VV | 7096   | 138240  | 0.09% | 0.020% |
| 226 | 15.772 | 15.749 | 15.797 | VV | 4129   | 91047   | 0.06% | 0.013% |
| 227 | 15.805 | 15.797 | 15.824 | VV | 2361   | 32038   | 0.02% | 0.005% |
| 228 | 15.862 | 15.824 | 15.877 | VV | 3645   | 76563   | 0.05% | 0.011% |
| 229 | 15.882 | 15.877 | 15.889 | VV | 2928   | 19197   | 0.01% | 0.003% |
| 230 | 15.987 | 15.889 | 16.020 | VV | 266125 | 3630752 | 2.43% | 0.536% |
| 231 | 16.045 | 16.020 | 16.094 | VV | 16591  | 241462  | 0.16% | 0.036% |
| 232 | 16.124 | 16.094 | 16.138 | VV | 629    | 9417    | 0.01% | 0.001% |
| 233 | 16.189 | 16.138 | 16.219 | PV | 2645   | 57050   | 0.04% | 0.008% |
| 234 | 16.291 | 16.219 | 16.320 | VV | 2455   | 70643   | 0.05% | 0.010% |
| 235 | 16.359 | 16.320 | 16.380 | VV | 8457   | 153647  | 0.10% | 0.023% |
| 236 | 16.397 | 16.380 | 16.429 | VV | 7280   | 105734  | 0.07% | 0.016% |
| 237 | 16.486 | 16.429 | 16.501 | PV | 236550 | 3267925 | 2.19% | 0.482% |
| 238 | 16.518 | 16.501 | 16.565 | VV | 284634 | 3586103 | 2.40% | 0.529% |
| 239 | 16.618 | 16.565 | 16.652 | VV | 3103   | 102863  | 0.07% | 0.015% |
| 240 | 16.690 | 16.652 | 16.722 | VV | 2081   | 58424   | 0.04% | 0.009% |
| 241 | 16.767 | 16.722 | 16.783 | PV | 2720   | 52947   | 0.04% | 0.008% |
| 242 | 16.805 | 16.783 | 16.831 | VV | 5816   | 82473   | 0.06% | 0.012% |
| 243 | 16.866 | 16.831 | 16.897 | VV | 231144 | 2770625 | 1.86% | 0.409% |
| 244 | 16.933 | 16.897 | 16.972 | VV | 265077 | 3473673 | 2.33% | 0.513% |
| 245 | 16.985 | 16.972 | 17.030 | VV | 8356   | 191377  | 0.13% | 0.028% |
| 246 | 17.046 | 17.030 | 17.067 | VV | 1609   | 24178   | 0.02% | 0.004% |
| 247 | 17.110 | 17.067 | 17.129 | VV | 1680   | 47156   | 0.03% | 0.007% |
| 248 | 17.193 | 17.129 | 17.213 | VV | 4693   | 126751  | 0.08% | 0.019% |
| 249 | 17.222 | 17.213 | 17.237 | VV | 1912   | 23311   | 0.02% | 0.003% |
| 250 | 17.264 | 17.237 | 17.276 | VV | 5456   | 91921   | 0.06% | 0.014% |
| 251 | 17.297 | 17.276 | 17.334 | VV | 12850  | 216985  | 0.15% | 0.032% |
| 252 | 17.380 | 17.334 | 17.404 | VV | 26284  | 419823  | 0.28% | 0.062% |
| 253 | 17.441 | 17.404 | 17.480 | VV | 6400   | 177937  | 0.12% | 0.026% |
| 254 | 17.511 | 17.480 | 17.537 | VV | 5502   | 117059  | 0.08% | 0.017% |
| 255 | 17.563 | 17.537 | 17.582 | VV | 5032   | 90081   | 0.06% | 0.013% |
| 256 | 17.594 | 17.582 | 17.610 | VV | 3771   | 50941   | 0.03% | 0.008% |
| 257 | 17.663 | 17.610 | 17.690 | VV | 8341   | 216064  | 0.14% | 0.032% |
| 258 | 17.738 | 17.690 | 17.770 | VV | 8206   | 283540  | 0.19% | 0.042% |
| 259 | 17.819 | 17.770 | 17.866 | VV | 262659 | 3712526 | 2.49% | 0.548% |
| 260 | 17.891 | 17.866 | 17.925 | VV | 10878  | 291149  | 0.19% | 0.043% |
| 261 | 17.980 | 17.925 | 18.045 | VV | 27841  | 838223  | 0.56% | 0.124% |
| 262 | 18.088 | 18.045 | 18.115 | VV | 7005   | 254487  | 0.17% | 0.038% |
| 263 | 18.183 | 18.115 | 18.202 | VV | 17731  | 603723  | 0.40% | 0.089% |
| 264 | 18.238 | 18.202 | 18.253 | VV | 226513 | 3310946 | 2.22% | 0.489% |
| 265 | 18.271 | 18.253 | 18.315 | VV | 227424 | 3102954 | 2.08% | 0.458% |
| 266 | 18.347 | 18.315 | 18.370 | VV | 26254  | 581285  | 0.39% | 0.086% |
| 267 | 18.378 | 18.370 | 18.444 | VV | 16861  | 556192  | 0.37% | 0.082% |
| 268 | 18.493 | 18.444 | 18.525 | VV | 218070 | 3227775 | 2.16% | 0.476% |
| 269 | 18.532 | 18.525 | 18.564 | VV | 15412  | 289541  | 0.19% | 0.043% |
| 270 | 18.574 | 18.564 | 18.582 | VV | 10429  | 112915  | 0.08% | 0.017% |
| 271 | 18.649 | 18.582 | 18.709 | VV | 246472 | 4212110 | 2.82% | 0.622% |
| 272 | 18.772 | 18.709 | 18.797 | VV | 35547  | 1067571 | 0.71% | 0.158% |
| 273 | 18.817 | 18.797 | 18.840 | VV | 26033  | 560605  | 0.38% | 0.083% |
| 274 | 18.873 | 18.840 | 18.882 | VV | 20587  | 464167  | 0.31% | 0.069% |
| 275 | 18.904 | 18.882 | 18.927 | VV | 22678  | 555558  | 0.37% | 0.082% |

|     |        |        |        |    |        |         |       |        |
|-----|--------|--------|--------|----|--------|---------|-------|--------|
|     |        |        |        |    |        | rteres  |       |        |
| 276 | 18.943 | 18.927 | 18.961 | VV | 26998  | 483907  | 0.32% | 0.071% |
| 277 | 19.013 | 18.961 | 19.035 | VV | 85402  | 2089164 | 1.40% | 0.308% |
| 278 | 19.044 | 19.035 | 19.080 | VV | 50460  | 1113718 | 0.75% | 0.164% |
| 279 | 19.096 | 19.080 | 19.115 | VV | 34181  | 680314  | 0.46% | 0.100% |
| 280 | 19.189 | 19.115 | 19.224 | VV | 41071  | 2128020 | 1.42% | 0.314% |
| 281 | 19.298 | 19.224 | 19.322 | VV | 39099  | 1843419 | 1.23% | 0.272% |
| 282 | 19.340 | 19.322 | 19.380 | VV | 35014  | 1142432 | 0.77% | 0.169% |
| 283 | 19.386 | 19.380 | 19.394 | VV | 31213  | 237698  | 0.16% | 0.035% |
| 284 | 19.431 | 19.394 | 19.460 | VV | 237565 | 4126777 | 2.76% | 0.609% |
| 285 | 19.478 | 19.460 | 19.493 | VV | 43872  | 789039  | 0.53% | 0.116% |
| 286 | 19.507 | 19.493 | 19.525 | VV | 43753  | 774463  | 0.52% | 0.114% |
| 287 | 19.539 | 19.525 | 19.555 | VV | 41942  | 714364  | 0.48% | 0.105% |
| 288 | 19.582 | 19.555 | 19.602 | VV | 41547  | 1110178 | 0.74% | 0.164% |
| 289 | 19.617 | 19.602 | 19.657 | VV | 41314  | 1263940 | 0.85% | 0.187% |
| 290 | 19.668 | 19.657 | 19.689 | VV | 38454  | 711683  | 0.48% | 0.105% |
| 291 | 19.725 | 19.689 | 19.755 | VV | 50862  | 1691993 | 1.13% | 0.250% |
| 292 | 19.798 | 19.755 | 19.855 | VV | 74874  | 3050229 | 2.04% | 0.450% |
| 293 | 19.869 | 19.855 | 19.892 | VV | 47125  | 978854  | 0.66% | 0.144% |
| 294 | 19.904 | 19.892 | 19.925 | VV | 49207  | 928989  | 0.62% | 0.137% |
| 295 | 19.952 | 19.925 | 19.965 | VV | 48603  | 1145331 | 0.77% | 0.169% |
| 296 | 19.986 | 19.965 | 19.994 | VV | 50868  | 843782  | 0.57% | 0.125% |
| 297 | 20.004 | 19.994 | 20.014 | VV | 51416  | 590142  | 0.40% | 0.087% |
| 298 | 20.060 | 20.014 | 20.069 | VV | 54617  | 1697959 | 1.14% | 0.251% |
| 299 | 20.092 | 20.069 | 20.137 | VV | 61642  | 2350902 | 1.57% | 0.347% |
| 300 | 20.168 | 20.137 | 20.205 | VV | 227664 | 4709691 | 3.15% | 0.695% |
| 301 | 20.261 | 20.205 | 20.283 | VV | 68821  | 2867123 | 1.92% | 0.423% |
| 302 | 20.319 | 20.283 | 20.345 | VV | 69727  | 2541836 | 1.70% | 0.375% |
| 303 | 20.391 | 20.345 | 20.458 | VV | 75720  | 4582897 | 3.07% | 0.676% |
| 304 | 20.467 | 20.458 | 20.494 | VV | 61187  | 1265124 | 0.85% | 0.187% |
| 305 | 20.523 | 20.494 | 20.539 | VV | 71600  | 1795424 | 1.20% | 0.265% |
| 306 | 20.551 | 20.539 | 20.578 | VV | 72673  | 1544029 | 1.03% | 0.228% |
| 307 | 20.595 | 20.578 | 20.627 | VV | 65533  | 1780984 | 1.19% | 0.263% |
| 308 | 20.636 | 20.627 | 20.644 | VV | 57913  | 575616  | 0.39% | 0.085% |
| 309 | 20.653 | 20.644 | 20.713 | VV | 57993  | 2301188 | 1.54% | 0.340% |
| 310 | 20.725 | 20.713 | 20.757 | VV | 53337  | 1356691 | 0.91% | 0.200% |
| 311 | 20.775 | 20.757 | 20.807 | VV | 52359  | 1512037 | 1.01% | 0.223% |
| 312 | 20.819 | 20.807 | 20.858 | VV | 50654  | 1458582 | 0.98% | 0.215% |
| 313 | 20.918 | 20.858 | 20.958 | VV | 154714 | 4626141 | 3.10% | 0.683% |
| 314 | 20.980 | 20.958 | 21.019 | VV | 44642  | 1464092 | 0.98% | 0.216% |
| 315 | 21.039 | 21.019 | 21.054 | VV | 39709  | 793006  | 0.53% | 0.117% |
| 316 | 21.094 | 21.054 | 21.119 | VV | 39834  | 1437974 | 0.96% | 0.212% |
| 317 | 21.126 | 21.119 | 21.154 | VV | 38241  | 783540  | 0.52% | 0.116% |
| 318 | 21.161 | 21.154 | 21.184 | VV | 37519  | 642888  | 0.43% | 0.095% |
| 319 | 21.192 | 21.184 | 21.205 | VV | 36367  | 453453  | 0.30% | 0.067% |
| 320 | 21.221 | 21.205 | 21.268 | VV | 37637  | 1299874 | 0.87% | 0.192% |
| 321 | 21.280 | 21.268 | 21.305 | VV | 34603  | 700895  | 0.47% | 0.103% |
| 322 | 21.315 | 21.305 | 21.329 | VV | 31221  | 426119  | 0.29% | 0.063% |
| 323 | 21.357 | 21.329 | 21.397 | VV | 31658  | 1148406 | 0.77% | 0.169% |
| 324 | 21.410 | 21.397 | 21.421 | VV | 22729  | 317005  | 0.21% | 0.047% |
| 325 | 21.438 | 21.421 | 21.447 | VV | 25076  | 368042  | 0.25% | 0.054% |
| 326 | 21.456 | 21.447 | 21.487 | VV | 25283  | 552716  | 0.37% | 0.082% |
| 327 | 21.492 | 21.487 | 21.527 | VV | 22086  | 483468  | 0.32% | 0.071% |
| 328 | 21.575 | 21.527 | 21.585 | VV | 24860  | 746665  | 0.50% | 0.110% |
| 329 | 21.594 | 21.585 | 21.629 | VV | 23310  | 578168  | 0.39% | 0.085% |
| 330 | 21.639 | 21.629 | 21.650 | VV | 21033  | 264113  | 0.18% | 0.039% |
| 331 | 21.661 | 21.650 | 21.682 | VV | 21543  | 381096  | 0.26% | 0.056% |
| 332 | 21.689 | 21.682 | 21.740 | VV | 18879  | 543594  | 0.36% | 0.080% |
| 333 | 21.749 | 21.740 | 21.762 | VV | 13176  | 164762  | 0.11% | 0.024% |
| 334 | 21.787 | 21.762 | 21.799 | VV | 11834  | 253686  | 0.17% | 0.037% |

|     |        |        |        |     |       |                         |           |        |
|-----|--------|--------|--------|-----|-------|-------------------------|-----------|--------|
|     |        |        |        |     |       | rteres                  |           |        |
| 335 | 21.858 | 21.799 | 21.919 | VV  | 73954 | 2010692                 | 1.35%     | 0.297% |
| 336 | 21.928 | 21.919 | 21.957 | VV  | 2378  | 31599                   | 0.02%     | 0.005% |
| 337 | 21.984 | 21.957 | 22.000 | PBA | 3501  | 119721                  | 0.08%     | 0.018% |
|     |        |        |        |     |       | Sum of corrected areas: | 677562172 |        |

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