

rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC011620AL\  
 Data File : FC045361.D  
 Signal(s) : FID1A.CH  
 Acq On : 16 Jan 2020 21:31  
 Sample : L1016-08  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Alaphatic EPH 122319.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         | 3.513       | 3.482        | 3.534      | BV       | 245            | 2880         | 0.04%          | 0.002%        |
| 2         | 3.538       | 3.534        | 3.596      | VV       | 170            | 2235         | 0.03%          | 0.001%        |
| 3         | 3.606       | 3.596        | 3.632      | PV       | 96             | 1459         | 0.02%          | 0.001%        |
| 4         | 3.650       | 3.632        | 3.660      | VV       | 179            | 1569         | 0.02%          | 0.001%        |
| 5         | 3.670       | 3.660        | 3.701      | VV       | 156            | 1692         | 0.02%          | 0.001%        |
| 6         | 3.730       | 3.701        | 3.757      | VV       | 94             | 1722         | 0.03%          | 0.001%        |
| 7         | 3.788       | 3.757        | 3.805      | VV       | 163            | 2068         | 0.03%          | 0.001%        |
| 8         | 3.822       | 3.805        | 3.841      | VV       | 123            | 2001         | 0.03%          | 0.001%        |
| 9         | 3.904       | 3.874        | 3.951      | PV       | 255            | 5139         | 0.08%          | 0.003%        |
| 10        | 3.962       | 3.951        | 3.976      | VV       | 163            | 1413         | 0.02%          | 0.001%        |
| 11        | 3.998       | 3.976        | 4.011      | VV       | 156            | 2372         | 0.03%          | 0.001%        |
| 12        | 4.019       | 4.011        | 4.049      | VV       | 173            | 2296         | 0.03%          | 0.001%        |
| 13        | 4.066       | 4.049        | 4.084      | VV       | 115            | 1586         | 0.02%          | 0.001%        |
| 14        | 4.107       | 4.084        | 4.151      | VV       | 186            | 4061         | 0.06%          | 0.002%        |
| 15        | 4.177       | 4.151        | 4.268      | PV       | 833            | 17230        | 0.25%          | 0.009%        |
| 16        | 4.281       | 4.268        | 4.311      | VV       | 218            | 2532         | 0.04%          | 0.001%        |
| 17        | 4.361       | 4.311        | 4.381      | PV       | 324            | 8187         | 0.12%          | 0.004%        |
| 18        | 4.389       | 4.381        | 4.454      | VV       | 353            | 5845         | 0.09%          | 0.003%        |
| 19        | 4.463       | 4.454        | 4.477      | VV       | 191            | 1290         | 0.02%          | 0.001%        |
| 20        | 4.499       | 4.477        | 4.522      | VV       | 162            | 2174         | 0.03%          | 0.001%        |
| 21        | 4.543       | 4.522        | 4.558      | PV       | 135            | 1811         | 0.03%          | 0.001%        |
| 22        | 4.587       | 4.558        | 4.627      | VV       | 381            | 6032         | 0.09%          | 0.003%        |
| 23        | 4.640       | 4.627        | 4.653      | VV       | 149            | 1714         | 0.03%          | 0.001%        |
| 24        | 4.667       | 4.653        | 4.686      | VV       | 213            | 2156         | 0.03%          | 0.001%        |
| 25        | 4.699       | 4.686        | 4.714      | VV       | 150            | 1215         | 0.02%          | 0.001%        |
| 26        | 4.746       | 4.714        | 4.785      | VV       | 367            | 5573         | 0.08%          | 0.003%        |
| 27        | 4.814       | 4.785        | 4.861      | VV       | 2163           | 34487        | 0.51%          | 0.018%        |
| 28        | 4.875       | 4.861        | 4.912      | VV       | 316            | 7410         | 0.11%          | 0.004%        |
| 29        | 4.945       | 4.912        | 4.958      | VV       | 320            | 5999         | 0.09%          | 0.003%        |
| 30        | 4.974       | 4.958        | 4.989      | VV       | 375            | 4405         | 0.06%          | 0.002%        |
| 31        | 5.003       | 4.989        | 5.034      | VV       | 277            | 5541         | 0.08%          | 0.003%        |
| 32        | 5.048       | 5.034        | 5.062      | VV       | 332            | 3625         | 0.05%          | 0.002%        |
| 33        | 5.074       | 5.062        | 5.095      | VV       | 333            | 3884         | 0.06%          | 0.002%        |
| 34        | 5.124       | 5.095        | 5.138      | VV       | 129            | 2504         | 0.04%          | 0.001%        |
| 35        | 5.149       | 5.138        | 5.179      | VV       | 182            | 2671         | 0.04%          | 0.001%        |
| 36        | 5.192       | 5.179        | 5.207      | VV       | 218            | 2380         | 0.04%          | 0.001%        |

|    |       |       |       |    | rteres |        |       |        |
|----|-------|-------|-------|----|--------|--------|-------|--------|
| 37 | 5.224 | 5.207 | 5.271 | VV | 402    | 9687   | 0.14% | 0.005% |
| 38 | 5.290 | 5.271 | 5.304 | VV | 330    | 4839   | 0.07% | 0.003% |
| 39 | 5.316 | 5.304 | 5.356 | VV | 357    | 7832   | 0.12% | 0.004% |
| 40 | 5.363 | 5.356 | 5.380 | VV | 165    | 1572   | 0.02% | 0.001% |
|    |       |       |       |    |        |        |       |        |
| 41 | 5.403 | 5.380 | 5.427 | VV | 186    | 3503   | 0.05% | 0.002% |
| 42 | 5.450 | 5.427 | 5.486 | VV | 299    | 7037   | 0.10% | 0.004% |
| 43 | 5.510 | 5.486 | 5.519 | VV | 389    | 4367   | 0.06% | 0.002% |
| 44 | 5.525 | 5.519 | 5.568 | VV | 327    | 4527   | 0.07% | 0.002% |
| 45 | 5.586 | 5.568 | 5.606 | VV | 221    | 2766   | 0.04% | 0.001% |
|    |       |       |       |    |        |        |       |        |
| 46 | 5.625 | 5.606 | 5.650 | PV | 898    | 12740  | 0.19% | 0.007% |
| 47 | 5.668 | 5.650 | 5.691 | VV | 1277   | 14561  | 0.21% | 0.008% |
| 48 | 5.699 | 5.691 | 5.714 | VV | 354    | 3255   | 0.05% | 0.002% |
| 49 | 5.721 | 5.714 | 5.756 | VV | 227    | 3407   | 0.05% | 0.002% |
| 50 | 5.767 | 5.756 | 5.778 | VV | 134    | 1579   | 0.02% | 0.001% |
|    |       |       |       |    |        |        |       |        |
| 51 | 5.795 | 5.778 | 5.802 | PV | 112    | 1408   | 0.02% | 0.001% |
| 52 | 5.824 | 5.802 | 5.875 | VV | 717    | 11959  | 0.18% | 0.006% |
| 53 | 5.921 | 5.875 | 5.959 | VV | 1034   | 29876  | 0.44% | 0.016% |
| 54 | 5.971 | 5.959 | 5.987 | VV | 764    | 8103   | 0.12% | 0.004% |
| 55 | 6.013 | 5.987 | 6.027 | VV | 501    | 8500   | 0.13% | 0.005% |
|    |       |       |       |    |        |        |       |        |
| 56 | 6.037 | 6.027 | 6.064 | VV | 376    | 5491   | 0.08% | 0.003% |
| 57 | 6.086 | 6.064 | 6.110 | VV | 416    | 5421   | 0.08% | 0.003% |
| 58 | 6.132 | 6.110 | 6.155 | PV | 526    | 8246   | 0.12% | 0.004% |
| 59 | 6.192 | 6.155 | 6.251 | VV | 11802  | 135188 | 1.99% | 0.072% |
| 60 | 6.267 | 6.251 | 6.294 | VV | 398    | 7658   | 0.11% | 0.004% |
|    |       |       |       |    |        |        |       |        |
| 61 | 6.315 | 6.294 | 6.344 | VV | 927    | 15033  | 0.22% | 0.008% |
| 62 | 6.365 | 6.344 | 6.389 | VV | 447    | 8473   | 0.12% | 0.005% |
| 63 | 6.402 | 6.389 | 6.425 | VV | 485    | 7248   | 0.11% | 0.004% |
| 64 | 6.454 | 6.425 | 6.472 | VV | 577    | 9616   | 0.14% | 0.005% |
| 65 | 6.492 | 6.472 | 6.511 | VV | 368    | 5053   | 0.07% | 0.003% |
|    |       |       |       |    |        |        |       |        |
| 66 | 6.557 | 6.511 | 6.575 | VV | 640    | 12081  | 0.18% | 0.006% |
| 67 | 6.605 | 6.575 | 6.623 | VV | 1693   | 18806  | 0.28% | 0.010% |
| 68 | 6.635 | 6.623 | 6.666 | VV | 461    | 5866   | 0.09% | 0.003% |
| 69 | 6.695 | 6.666 | 6.709 | VV | 184    | 2509   | 0.04% | 0.001% |
| 70 | 6.751 | 6.709 | 6.776 | VV | 894    | 14208  | 0.21% | 0.008% |
|    |       |       |       |    |        |        |       |        |
| 71 | 6.813 | 6.776 | 6.849 | VV | 533    | 9811   | 0.14% | 0.005% |
| 72 | 6.895 | 6.849 | 6.914 | VV | 746    | 12709  | 0.19% | 0.007% |
| 73 | 6.950 | 6.914 | 6.984 | VV | 652    | 14653  | 0.22% | 0.008% |
| 74 | 7.019 | 6.984 | 7.041 | VV | 2149   | 25702  | 0.38% | 0.014% |
| 75 | 7.054 | 7.041 | 7.071 | VV | 340    | 3692   | 0.05% | 0.002% |
|    |       |       |       |    |        |        |       |        |
| 76 | 7.084 | 7.071 | 7.105 | VV | 408    | 6739   | 0.10% | 0.004% |
| 77 | 7.121 | 7.105 | 7.144 | VV | 584    | 10991  | 0.16% | 0.006% |
| 78 | 7.176 | 7.144 | 7.191 | VV | 913    | 17956  | 0.26% | 0.010% |
| 79 | 7.204 | 7.191 | 7.217 | VV | 608    | 8067   | 0.12% | 0.004% |
| 80 | 7.246 | 7.217 | 7.289 | VV | 11385  | 134184 | 1.97% | 0.072% |
|    |       |       |       |    |        |        |       |        |
| 81 | 7.306 | 7.289 | 7.323 | VV | 1033   | 16013  | 0.24% | 0.009% |
| 82 | 7.336 | 7.323 | 7.357 | VV | 899    | 12664  | 0.19% | 0.007% |
| 83 | 7.381 | 7.357 | 7.435 | VV | 12645  | 135473 | 1.99% | 0.072% |
| 84 | 7.452 | 7.435 | 7.482 | VV | 383    | 8097   | 0.12% | 0.004% |
| 85 | 7.525 | 7.482 | 7.565 | VV | 4794   | 64855  | 0.95% | 0.035% |
|    |       |       |       |    |        |        |       |        |
| 86 | 7.581 | 7.565 | 7.597 | VV | 805    | 10579  | 0.16% | 0.006% |
| 87 | 7.611 | 7.597 | 7.664 | VV | 610    | 15997  | 0.24% | 0.009% |
| 88 | 7.711 | 7.664 | 7.726 | VV | 1158   | 20623  | 0.30% | 0.011% |
| 89 | 7.735 | 7.726 | 7.754 | VV | 914    | 10224  | 0.15% | 0.005% |

|     |        |        |        |    |        |        |       |        |
|-----|--------|--------|--------|----|--------|--------|-------|--------|
|     |        |        |        |    | rteres |        |       |        |
| 90  | 7.765  | 7.754  | 7.795  | VV | 682    | 8302   | 0.12% | 0.004% |
| 91  | 7.929  | 7.917  | 7.939  | VV | 1245   | 14253  | 0.21% | 0.008% |
| 92  | 7.966  | 7.939  | 7.991  | VV | 3788   | 60761  | 0.89% | 0.032% |
| 93  | 8.001  | 7.991  | 8.031  | VV | 1104   | 19847  | 0.29% | 0.011% |
| 94  | 8.049  | 8.031  | 8.075  | VV | 1363   | 22641  | 0.33% | 0.012% |
| 95  | 8.092  | 8.075  | 8.104  | VV | 1206   | 15951  | 0.23% | 0.009% |
| 96  | 8.124  | 8.104  | 8.184  | VV | 3932   | 94425  | 1.39% | 0.051% |
| 97  | 8.221  | 8.184  | 8.281  | VV | 8052   | 165590 | 2.44% | 0.089% |
| 98  | 8.339  | 8.281  | 8.354  | VV | 17093  | 204127 | 3.00% | 0.109% |
| 99  | 8.367  | 8.354  | 8.381  | VV | 10989  | 110472 | 1.63% | 0.059% |
| 100 | 8.395  | 8.381  | 8.417  | VV | 8360   | 91186  | 1.34% | 0.049% |
| 101 | 8.464  | 8.417  | 8.478  | VV | 6910   | 92380  | 1.36% | 0.049% |
| 102 | 8.497  | 8.478  | 8.508  | VV | 6068   | 90233  | 1.33% | 0.048% |
| 103 | 8.527  | 8.508  | 8.556  | VV | 10726  | 160570 | 2.36% | 0.086% |
| 104 | 8.573  | 8.556  | 8.592  | VV | 2456   | 35166  | 0.52% | 0.019% |
| 105 | 8.615  | 8.592  | 8.652  | VV | 4912   | 72467  | 1.07% | 0.039% |
| 106 | 8.657  | 8.652  | 8.672  | VV | 828    | 8414   | 0.12% | 0.005% |
| 107 | 8.771  | 8.764  | 8.792  | VV | 3518   | 48093  | 0.71% | 0.026% |
| 108 | 8.930  | 8.899  | 8.958  | VV | 5440   | 83717  | 1.23% | 0.045% |
| 109 | 8.979  | 8.958  | 8.994  | VV | 2146   | 29029  | 0.43% | 0.016% |
| 110 | 9.008  | 8.994  | 9.027  | VV | 1472   | 20744  | 0.31% | 0.011% |
| 111 | 9.056  | 9.027  | 9.072  | VV | 7402   | 105126 | 1.55% | 0.056% |
| 112 | 9.177  | 9.147  | 9.193  | VV | 3274   | 56988  | 0.84% | 0.030% |
| 113 | 9.218  | 9.193  | 9.242  | VV | 11572  | 173316 | 2.55% | 0.093% |
| 114 | 9.327  | 9.317  | 9.346  | VV | 780    | 10776  | 0.16% | 0.006% |
| 115 | 9.382  | 9.346  | 9.399  | VV | 8232   | 97300  | 1.43% | 0.052% |
| 116 | 9.414  | 9.399  | 9.443  | VV | 5940   | 65453  | 0.96% | 0.035% |
| 117 | 9.469  | 9.443  | 9.479  | VV | 1361   | 20574  | 0.30% | 0.011% |
| 118 | 9.518  | 9.479  | 9.572  | VV | 7447   | 171825 | 2.53% | 0.092% |
| 119 | 9.680  | 9.647  | 9.705  | VV | 8362   | 160358 | 2.36% | 0.086% |
| 120 | 9.721  | 9.705  | 9.734  | VV | 7790   | 89719  | 1.32% | 0.048% |
| 121 | 9.753  | 9.734  | 9.792  | VV | 13901  | 235448 | 3.46% | 0.126% |
| 122 | 9.813  | 9.792  | 9.851  | VV | 8732   | 129786 | 1.91% | 0.069% |
| 123 | 9.868  | 9.851  | 9.894  | VV | 2779   | 46517  | 0.68% | 0.025% |
| 124 | 9.922  | 9.894  | 9.947  | VV | 15697  | 202370 | 2.98% | 0.108% |
| 125 | 9.991  | 9.947  | 10.005 | VV | 11182  | 184659 | 2.72% | 0.099% |
| 126 | 10.023 | 10.005 | 10.067 | VV | 19928  | 285356 | 4.20% | 0.153% |
| 127 | 10.086 | 10.067 | 10.103 | VV | 4100   | 52663  | 0.77% | 0.028% |
| 128 | 10.116 | 10.103 | 10.147 | VV | 2246   | 30734  | 0.45% | 0.016% |
| 129 | 10.181 | 10.147 | 10.242 | VV | 2312   | 57428  | 0.85% | 0.031% |
| 130 | 10.289 | 10.242 | 10.319 | PV | 933    | 24985  | 0.37% | 0.013% |
| 131 | 10.360 | 10.319 | 10.372 | VV | 6821   | 117249 | 1.73% | 0.063% |
| 132 | 10.380 | 10.372 | 10.409 | VV | 4687   | 63992  | 0.94% | 0.034% |
| 133 | 10.450 | 10.409 | 10.461 | VV | 6321   | 101503 | 1.49% | 0.054% |
| 134 | 10.482 | 10.461 | 10.504 | VV | 17622  | 234702 | 3.45% | 0.126% |
| 135 | 10.523 | 10.504 | 10.554 | VV | 11832  | 149099 | 2.19% | 0.080% |
| 136 | 10.599 | 10.554 | 10.637 | VV | 12066  | 219501 | 3.23% | 0.117% |
| 137 | 10.657 | 10.637 | 10.704 | VV | 15030  | 224332 | 3.30% | 0.120% |
| 138 | 10.728 | 10.704 | 10.748 | VV | 12454  | 165549 | 2.44% | 0.089% |
| 139 | 10.776 | 10.748 | 10.789 | VV | 26025  | 349425 | 5.14% | 0.187% |
| 140 | 10.806 | 10.789 | 10.842 | VV | 25656  | 404817 | 5.96% | 0.217% |
| 141 | 10.871 | 10.842 | 10.884 | VV | 2752   | 53564  | 0.79% | 0.029% |

| rteres |        |        |        |    |        |         |         |        |
|--------|--------|--------|--------|----|--------|---------|---------|--------|
| 142    | 10.901 | 10.884 | 10.919 | VV | 7507   | 90501   | 1.33%   | 0.048% |
| 143    | 10.935 | 10.919 | 10.957 | VV | 2696   | 43654   | 0.64%   | 0.023% |
| 144    | 11.010 | 10.957 | 11.055 | VV | 424584 | 4563429 | 67.15%  | 2.441% |
| 145    | 11.083 | 11.055 | 11.143 | VV | 145534 | 1618551 | 23.82%  | 0.866% |
| 146    | 11.160 | 11.143 | 11.198 | VV | 3759   | 79118   | 1.16%   | 0.042% |
| 147    | 11.211 | 11.198 | 11.227 | VV | 1630   | 19082   | 0.28%   | 0.010% |
| 148    | 11.253 | 11.227 | 11.269 | VV | 3033   | 39963   | 0.59%   | 0.021% |
| 149    | 11.291 | 11.269 | 11.332 | VV | 17080  | 229199  | 3.37%   | 0.123% |
| 150    | 11.361 | 11.332 | 11.379 | PV | 3841   | 64524   | 0.95%   | 0.035% |
| 151    | 11.399 | 11.379 | 11.411 | VV | 5373   | 67329   | 0.99%   | 0.036% |
| 152    | 11.429 | 11.411 | 11.454 | VV | 11969  | 147071  | 2.16%   | 0.079% |
| 153    | 11.529 | 11.454 | 11.570 | VV | 20654  | 432339  | 6.36%   | 0.231% |
| 154    | 11.596 | 11.570 | 11.624 | VV | 7633   | 111050  | 1.63%   | 0.059% |
| 155    | 11.657 | 11.624 | 11.677 | VV | 11379  | 141760  | 2.09%   | 0.076% |
| 156    | 11.697 | 11.677 | 11.719 | VV | 4903   | 70762   | 1.04%   | 0.038% |
| 157    | 11.763 | 11.719 | 11.786 | VV | 332354 | 3514452 | 51.72%  | 1.880% |
| 158    | 11.806 | 11.786 | 11.822 | VV | 53747  | 644264  | 9.48%   | 0.345% |
| 159    | 11.838 | 11.822 | 11.877 | VV | 76588  | 831714  | 12.24%  | 0.445% |
| 160    | 11.925 | 11.877 | 11.943 | VV | 82677  | 1245197 | 18.32%  | 0.666% |
| 161    | 11.956 | 11.943 | 11.970 | VV | 36405  | 395061  | 5.81%   | 0.211% |
| 162    | 11.987 | 11.970 | 12.014 | VV | 52251  | 630927  | 9.28%   | 0.337% |
| 163    | 12.026 | 12.014 | 12.038 | VV | 1349   | 12542   | 0.18%   | 0.007% |
| 164    | 12.064 | 12.038 | 12.076 | VV | 3551   | 50307   | 0.74%   | 0.027% |
| 165    | 12.096 | 12.076 | 12.117 | VV | 9195   | 128358  | 1.89%   | 0.069% |
| 166    | 12.150 | 12.117 | 12.191 | VV | 56877  | 891275  | 13.12%  | 0.477% |
| 167    | 12.205 | 12.191 | 12.229 | VV | 4680   | 80068   | 1.18%   | 0.043% |
| 168    | 12.235 | 12.229 | 12.248 | VV | 1948   | 14554   | 0.21%   | 0.008% |
| 169    | 12.273 | 12.248 | 12.295 | VV | 32989  | 386138  | 5.68%   | 0.207% |
| 170    | 12.306 | 12.295 | 12.321 | VV | 5447   | 64470   | 0.95%   | 0.034% |
| 171    | 12.343 | 12.321 | 12.399 | VV | 21000  | 300374  | 4.42%   | 0.161% |
| 172    | 12.420 | 12.399 | 12.437 | VV | 5717   | 69062   | 1.02%   | 0.037% |
| 173    | 12.454 | 12.437 | 12.469 | VV | 3967   | 49343   | 0.73%   | 0.026% |
| 174    | 12.484 | 12.469 | 12.495 | VV | 3740   | 47982   | 0.71%   | 0.026% |
| 175    | 12.524 | 12.495 | 12.536 | VV | 7055   | 121095  | 1.78%   | 0.065% |
| 176    | 12.548 | 12.536 | 12.573 | VV | 8090   | 104866  | 1.54%   | 0.056% |
| 177    | 12.594 | 12.573 | 12.636 | VV | 14715  | 263015  | 3.87%   | 0.141% |
| 178    | 12.664 | 12.636 | 12.686 | PV | 23924  | 317775  | 4.68%   | 0.170% |
| 179    | 12.707 | 12.686 | 12.724 | VV | 36224  | 455386  | 6.70%   | 0.244% |
| 180    | 12.739 | 12.724 | 12.759 | VV | 21564  | 320584  | 4.72%   | 0.171% |
| 181    | 12.772 | 12.759 | 12.794 | VV | 13287  | 198466  | 2.92%   | 0.106% |
| 182    | 12.835 | 12.794 | 12.872 | VV | 568104 | 6795652 | 100.00% | 3.635% |
| 183    | 12.889 | 12.872 | 12.905 | VV | 5322   | 50007   | 0.74%   | 0.027% |
| 184    | 12.922 | 12.905 | 12.937 | VV | 3258   | 37832   | 0.56%   | 0.020% |
| 185    | 12.976 | 12.937 | 12.992 | VV | 13906  | 238566  | 3.51%   | 0.128% |
| 186    | 13.013 | 12.992 | 13.026 | VV | 20504  | 280323  | 4.13%   | 0.150% |
| 187    | 13.033 | 13.026 | 13.097 | VV | 15308  | 303722  | 4.47%   | 0.162% |
| 188    | 13.133 | 13.097 | 13.151 | VV | 456676 | 5100910 | 75.06%  | 2.728% |
| 189    | 13.183 | 13.151 | 13.204 | VV | 287990 | 5515557 | 81.16%  | 2.950% |
| 190    | 13.225 | 13.204 | 13.278 | VV | 188323 | 2895065 | 42.60%  | 1.548% |
| 191    | 13.294 | 13.278 | 13.310 | VV | 20002  | 228884  | 3.37%   | 0.122% |
| 192    | 13.326 | 13.310 | 13.367 | VV | 15836  | 267565  | 3.94%   | 0.143% |
| 193    | 13.393 | 13.367 | 13.433 | VV | 41859  | 715656  | 10.53%  | 0.383% |
| 194    | 13.451 | 13.433 | 13.488 | VV | 10368  | 211560  | 3.11%   | 0.113% |

|     |        |        |        |    |        |         |        |        |
|-----|--------|--------|--------|----|--------|---------|--------|--------|
|     |        |        |        |    | rteres |         |        |        |
| 195 | 13.519 | 13.488 | 13.556 | PV | 17225  | 302883  | 4.46%  | 0.162% |
| 196 | 13.582 | 13.556 | 13.607 | VV | 36905  | 536461  | 7.89%  | 0.287% |
| 197 | 13.617 | 13.607 | 13.646 | VV | 3868   | 51479   | 0.76%  | 0.028% |
| 198 | 13.713 | 13.646 | 13.752 | VV | 89213  | 1434282 | 21.11% | 0.767% |
| 199 | 13.774 | 13.752 | 13.792 | VV | 8963   | 114878  | 1.69%  | 0.061% |
| 200 | 13.819 | 13.792 | 13.842 | VV | 57421  | 714423  | 10.51% | 0.382% |
| 201 | 13.861 | 13.842 | 13.886 | VV | 41232  | 516565  | 7.60%  | 0.276% |
| 202 | 13.898 | 13.886 | 13.914 | VV | 9786   | 124536  | 1.83%  | 0.067% |
| 203 | 13.991 | 13.914 | 14.011 | VV | 37034  | 884149  | 13.01% | 0.473% |
| 204 | 14.030 | 14.011 | 14.067 | VV | 33658  | 438688  | 6.46%  | 0.235% |
| 205 | 14.104 | 14.067 | 14.122 | VV | 9883   | 161880  | 2.38%  | 0.087% |
| 206 | 14.143 | 14.122 | 14.163 | VV | 4810   | 90307   | 1.33%  | 0.048% |
| 207 | 14.211 | 14.163 | 14.255 | VV | 5297   | 203420  | 2.99%  | 0.109% |
| 208 | 14.268 | 14.255 | 14.277 | VV | 2034   | 20511   | 0.30%  | 0.011% |
| 209 | 14.294 | 14.277 | 14.316 | VV | 4079   | 53148   | 0.78%  | 0.028% |
| 210 | 14.347 | 14.316 | 14.361 | VV | 2812   | 44853   | 0.66%  | 0.024% |
| 211 | 14.413 | 14.361 | 14.429 | VV | 14787  | 345116  | 5.08%  | 0.185% |
| 212 | 14.449 | 14.429 | 14.474 | VV | 35791  | 461494  | 6.79%  | 0.247% |
| 213 | 14.494 | 14.474 | 14.528 | VV | 9112   | 222281  | 3.27%  | 0.119% |
| 214 | 14.550 | 14.528 | 14.594 | VV | 15137  | 299082  | 4.40%  | 0.160% |
| 215 | 14.625 | 14.594 | 14.664 | VV | 37080  | 658949  | 9.70%  | 0.352% |
| 216 | 14.688 | 14.664 | 14.714 | VV | 55303  | 890779  | 13.11% | 0.476% |
| 217 | 14.752 | 14.714 | 14.786 | VV | 43297  | 793975  | 11.68% | 0.425% |
| 218 | 14.811 | 14.786 | 14.827 | VV | 6923   | 114369  | 1.68%  | 0.061% |
| 219 | 14.874 | 14.827 | 14.907 | VV | 15443  | 386943  | 5.69%  | 0.207% |
| 220 | 14.919 | 14.907 | 14.931 | VV | 1812   | 21421   | 0.32%  | 0.011% |
| 221 | 14.955 | 14.931 | 14.972 | VV | 11914  | 157996  | 2.32%  | 0.085% |
| 222 | 15.006 | 14.972 | 15.026 | VV | 248465 | 3282243 | 48.30% | 1.756% |
| 223 | 15.047 | 15.026 | 15.073 | VV | 219463 | 2702869 | 39.77% | 1.446% |
| 224 | 15.088 | 15.073 | 15.115 | VV | 8450   | 132537  | 1.95%  | 0.071% |
| 225 | 15.165 | 15.115 | 15.210 | VV | 58582  | 1018608 | 14.99% | 0.545% |
| 226 | 15.238 | 15.210 | 15.273 | VV | 15369  | 316236  | 4.65%  | 0.169% |
| 227 | 15.304 | 15.273 | 15.327 | VV | 19716  | 338821  | 4.99%  | 0.181% |
| 228 | 15.349 | 15.327 | 15.393 | VV | 20374  | 504239  | 7.42%  | 0.270% |
| 229 | 15.417 | 15.393 | 15.431 | VV | 20546  | 323717  | 4.76%  | 0.173% |
| 230 | 15.443 | 15.431 | 15.472 | VV | 19431  | 354294  | 5.21%  | 0.189% |
| 231 | 15.485 | 15.472 | 15.521 | VV | 10953  | 198281  | 2.92%  | 0.106% |
| 232 | 15.549 | 15.521 | 15.601 | VV | 14053  | 409104  | 6.02%  | 0.219% |
| 233 | 15.629 | 15.601 | 15.649 | VV | 17408  | 331113  | 4.87%  | 0.177% |
| 234 | 15.673 | 15.649 | 15.693 | VV | 55370  | 756509  | 11.13% | 0.405% |
| 235 | 15.710 | 15.693 | 15.746 | VV | 26953  | 497277  | 7.32%  | 0.266% |
| 236 | 15.760 | 15.746 | 15.782 | VV | 17654  | 283333  | 4.17%  | 0.152% |
| 237 | 15.829 | 15.782 | 15.867 | VV | 33606  | 1073183 | 15.79% | 0.574% |
| 238 | 15.908 | 15.867 | 15.931 | VV | 20561  | 429472  | 6.32%  | 0.230% |
| 239 | 15.952 | 15.931 | 15.969 | VV | 8064   | 156297  | 2.30%  | 0.084% |
| 240 | 15.991 | 15.969 | 16.016 | VV | 14456  | 261816  | 3.85%  | 0.140% |
| 241 | 16.053 | 16.016 | 16.074 | VV | 17143  | 402295  | 5.92%  | 0.215% |
| 242 | 16.102 | 16.074 | 16.128 | VV | 14295  | 335869  | 4.94%  | 0.180% |
| 243 | 16.168 | 16.128 | 16.191 | VV | 7136   | 238233  | 3.51%  | 0.127% |
| 244 | 16.268 | 16.191 | 16.286 | VV | 14371  | 499903  | 7.36%  | 0.267% |
| 245 | 16.301 | 16.286 | 16.324 | VV | 16548  | 280041  | 4.12%  | 0.150% |
| 246 | 16.348 | 16.324 | 16.394 | VV | 18916  | 528578  | 7.78%  | 0.283% |

| rteres |        |        |        |    |        |         |        |        |
|--------|--------|--------|--------|----|--------|---------|--------|--------|
| 247    | 16.438 | 16.394 | 16.448 | VV | 12748  | 372004  | 5.47%  | 0.199% |
| 248    | 16.470 | 16.448 | 16.489 | VV | 21121  | 408039  | 6.00%  | 0.218% |
| 249    | 16.500 | 16.489 | 16.516 | VV | 18051  | 240643  | 3.54%  | 0.129% |
| 250    | 16.568 | 16.516 | 16.585 | VV | 213623 | 3513533 | 51.70% | 1.879% |
| 251    | 16.593 | 16.585 | 16.632 | VV | 113586 | 1349117 | 19.85% | 0.722% |
| 252    | 16.641 | 16.632 | 16.662 | VV | 12422  | 212568  | 3.13%  | 0.114% |
| 253    | 16.693 | 16.662 | 16.714 | VV | 58443  | 896089  | 13.19% | 0.479% |
| 254    | 16.725 | 16.714 | 16.769 | VV | 18706  | 478835  | 7.05%  | 0.256% |
| 255    | 16.784 | 16.769 | 16.795 | VV | 12834  | 188210  | 2.77%  | 0.101% |
| 256    | 16.816 | 16.795 | 16.826 | VV | 17610  | 278417  | 4.10%  | 0.149% |
| 257    | 16.853 | 16.826 | 16.866 | VV | 49336  | 806357  | 11.87% | 0.431% |
| 258    | 16.889 | 16.866 | 16.914 | VV | 129403 | 1902604 | 28.00% | 1.018% |
| 259    | 16.949 | 16.914 | 16.980 | VV | 190207 | 2673748 | 39.34% | 1.430% |
| 260    | 17.001 | 16.980 | 17.022 | VV | 27706  | 514987  | 7.58%  | 0.275% |
| 261    | 17.045 | 17.022 | 17.072 | VV | 68292  | 1102399 | 16.22% | 0.590% |
| 262    | 17.090 | 17.072 | 17.122 | VV | 23201  | 529396  | 7.79%  | 0.283% |
| 263    | 17.148 | 17.122 | 17.157 | VV | 20325  | 364547  | 5.36%  | 0.195% |
| 264    | 17.190 | 17.157 | 17.221 | VV | 27174  | 862512  | 12.69% | 0.461% |
| 265    | 17.242 | 17.221 | 17.261 | VV | 19147  | 408103  | 6.01%  | 0.218% |
| 266    | 17.302 | 17.261 | 17.377 | VV | 36536  | 1738604 | 25.58% | 0.930% |
| 267    | 17.408 | 17.377 | 17.421 | VV | 20332  | 457882  | 6.74%  | 0.245% |
| 268    | 17.447 | 17.421 | 17.487 | VV | 42574  | 1122608 | 16.52% | 0.600% |
| 269    | 17.528 | 17.487 | 17.546 | VV | 25534  | 719190  | 10.58% | 0.385% |
| 270    | 17.555 | 17.546 | 17.573 | VV | 22746  | 344799  | 5.07%  | 0.184% |
| 271    | 17.601 | 17.573 | 17.624 | VV | 35557  | 771683  | 11.36% | 0.413% |
| 272    | 17.635 | 17.624 | 17.681 | VV | 22357  | 659956  | 9.71%  | 0.353% |
| 273    | 17.732 | 17.681 | 17.757 | VV | 21979  | 878957  | 12.93% | 0.470% |
| 274    | 17.780 | 17.757 | 17.792 | VV | 18138  | 365004  | 5.37%  | 0.195% |
| 275    | 17.806 | 17.792 | 17.841 | VV | 18709  | 521729  | 7.68%  | 0.279% |
| 276    | 17.885 | 17.841 | 17.911 | VV | 38431  | 1112104 | 16.36% | 0.595% |
| 277    | 17.924 | 17.911 | 17.963 | VV | 25783  | 696949  | 10.26% | 0.373% |
| 278    | 18.003 | 17.963 | 18.011 | VV | 24952  | 608721  | 8.96%  | 0.326% |
| 279    | 18.032 | 18.011 | 18.044 | VV | 29901  | 541346  | 7.97%  | 0.290% |
| 280    | 18.085 | 18.044 | 18.131 | VV | 34894  | 1533120 | 22.56% | 0.820% |
| 281    | 18.169 | 18.131 | 18.187 | VV | 24370  | 778332  | 11.45% | 0.416% |
| 282    | 18.222 | 18.187 | 18.282 | VV | 56817  | 1900644 | 27.97% | 1.017% |
| 283    | 18.319 | 18.282 | 18.341 | VV | 126393 | 2297308 | 33.81% | 1.229% |
| 284    | 18.354 | 18.341 | 18.377 | VV | 42944  | 808280  | 11.89% | 0.432% |
| 285    | 18.394 | 18.377 | 18.411 | VV | 36071  | 629876  | 9.27%  | 0.337% |
| 286    | 18.444 | 18.411 | 18.461 | VV | 53704  | 1183606 | 17.42% | 0.633% |
| 287    | 18.476 | 18.461 | 18.539 | VV | 49098  | 1587873 | 23.37% | 0.849% |
| 288    | 18.574 | 18.539 | 18.601 | VV | 107047 | 1910052 | 28.11% | 1.022% |
| 289    | 18.614 | 18.601 | 18.626 | VV | 26355  | 382786  | 5.63%  | 0.205% |
| 290    | 18.654 | 18.626 | 18.668 | VV | 33937  | 746544  | 10.99% | 0.399% |
| 291    | 18.705 | 18.668 | 18.741 | VV | 61345  | 1690040 | 24.87% | 0.904% |
| 292    | 18.747 | 18.741 | 18.780 | VV | 25812  | 587967  | 8.65%  | 0.314% |
| 293    | 18.797 | 18.780 | 18.814 | VV | 29859  | 553426  | 8.14%  | 0.296% |
| 294    | 18.848 | 18.814 | 18.862 | VV | 32731  | 842624  | 12.40% | 0.451% |
| 295    | 18.888 | 18.862 | 18.936 | VV | 32674  | 1332159 | 19.60% | 0.713% |
| 296    | 18.953 | 18.936 | 18.967 | VV | 28954  | 526260  | 7.74%  | 0.281% |
| 297    | 18.996 | 18.967 | 19.026 | VV | 36143  | 1109620 | 16.33% | 0.593% |
| 298    | 19.042 | 19.026 | 19.059 | VV | 31546  | 591030  | 8.70%  | 0.316% |
| 299    | 19.082 | 19.059 | 19.096 | VV | 38018  | 761689  | 11.21% | 0.407% |

|     |        |        |        |    |        |         |        |        |
|-----|--------|--------|--------|----|--------|---------|--------|--------|
|     |        |        |        |    | rteres |         |        |        |
| 300 | 19.114 | 19.096 | 19.156 | VV | 39116  | 1235756 | 18.18% | 0.661% |
| 301 | 19.174 | 19.156 | 19.209 | VV | 35070  | 996173  | 14.66% | 0.533% |
| 302 | 19.243 | 19.209 | 19.307 | VV | 38418  | 1910032 | 28.11% | 1.022% |
| 303 | 19.322 | 19.307 | 19.341 | VV | 30237  | 583946  | 8.59%  | 0.312% |
| 304 | 19.364 | 19.341 | 19.384 | VV | 31043  | 780435  | 11.48% | 0.417% |
| 305 | 19.425 | 19.384 | 19.459 | VV | 31542  | 1364739 | 20.08% | 0.730% |
| 306 | 19.496 | 19.459 | 19.536 | VV | 39992  | 1559160 | 22.94% | 0.834% |
| 307 | 19.554 | 19.536 | 19.571 | VV | 34635  | 717933  | 10.56% | 0.384% |
| 308 | 19.589 | 19.571 | 19.599 | VV | 34896  | 557981  | 8.21%  | 0.298% |
| 309 | 19.607 | 19.599 | 19.627 | VV | 34256  | 568399  | 8.36%  | 0.304% |
| 310 | 19.659 | 19.627 | 19.682 | VV | 39300  | 1225047 | 18.03% | 0.655% |
| 311 | 19.724 | 19.682 | 19.751 | VV | 69044  | 1975046 | 29.06% | 1.056% |
| 312 | 19.792 | 19.751 | 19.827 | VV | 69731  | 2312079 | 34.02% | 1.237% |
| 313 | 19.876 | 19.827 | 19.964 | VV | 55527  | 3682950 | 54.20% | 1.970% |
| 314 | 19.975 | 19.964 | 19.988 | VV | 38878  | 558903  | 8.22%  | 0.299% |
| 315 | 20.008 | 19.988 | 20.031 | VV | 45231  | 1037398 | 15.27% | 0.555% |
| 316 | 20.104 | 20.031 | 20.142 | VV | 79968  | 3323328 | 48.90% | 1.777% |
| 317 | 20.172 | 20.142 | 20.216 | VV | 57225  | 2179414 | 32.07% | 1.166% |
| 318 | 20.242 | 20.216 | 20.271 | VV | 52638  | 1577427 | 23.21% | 0.844% |
| 319 | 20.336 | 20.271 | 20.356 | VV | 46109  | 2226202 | 32.76% | 1.191% |
| 320 | 20.392 | 20.356 | 20.401 | VV | 46743  | 1240619 | 18.26% | 0.664% |
| 321 | 20.410 | 20.401 | 20.431 | VV | 46594  | 818420  | 12.04% | 0.438% |
| 322 | 20.440 | 20.431 | 20.466 | VV | 44697  | 926101  | 13.63% | 0.495% |
| 323 | 20.472 | 20.466 | 20.493 | VV | 44223  | 684774  | 10.08% | 0.366% |
| 324 | 20.508 | 20.493 | 20.525 | VV | 41905  | 786446  | 11.57% | 0.421% |
| 325 | 20.538 | 20.525 | 20.554 | VV | 40311  | 679455  | 10.00% | 0.363% |
| 326 | 20.596 | 20.554 | 20.659 | VV | 45357  | 2571313 | 37.84% | 1.375% |
| 327 | 20.679 | 20.659 | 20.731 | VV | 42681  | 1745226 | 25.68% | 0.933% |
| 328 | 20.749 | 20.731 | 20.762 | VV | 40057  | 733459  | 10.79% | 0.392% |
| 329 | 20.777 | 20.762 | 20.808 | VV | 39428  | 1051145 | 15.47% | 0.562% |
| 330 | 20.823 | 20.808 | 20.846 | VV | 37187  | 813198  | 11.97% | 0.435% |
| 331 | 20.864 | 20.846 | 20.909 | VV | 36016  | 1329433 | 19.56% | 0.711% |
| 332 | 20.924 | 20.909 | 20.932 | VV | 35399  | 483965  | 7.12%  | 0.259% |
| 333 | 20.954 | 20.932 | 20.976 | VV | 35964  | 906514  | 13.34% | 0.485% |
| 334 | 21.003 | 20.976 | 21.059 | VV | 39079  | 1797053 | 26.44% | 0.961% |
| 335 | 21.067 | 21.059 | 21.102 | VV | 34110  | 849046  | 12.49% | 0.454% |
| 336 | 21.122 | 21.102 | 21.131 | VV | 32710  | 546703  | 8.04%  | 0.292% |
| 337 | 21.153 | 21.131 | 21.181 | VV | 34225  | 991992  | 14.60% | 0.531% |
| 338 | 21.192 | 21.181 | 21.222 | VV | 33623  | 797858  | 11.74% | 0.427% |
| 339 | 21.263 | 21.222 | 21.293 | VV | 31661  | 1285755 | 18.92% | 0.688% |
| 340 | 21.308 | 21.293 | 21.328 | VV | 29513  | 599046  | 8.82%  | 0.320% |
| 341 | 21.341 | 21.328 | 21.351 | VV | 29122  | 402659  | 5.93%  | 0.215% |
| 342 | 21.373 | 21.351 | 21.415 | VV | 30854  | 1119124 | 16.47% | 0.599% |
| 343 | 21.459 | 21.415 | 21.492 | VV | 32258  | 1377350 | 20.27% | 0.737% |
| 344 | 21.503 | 21.492 | 21.522 | VV | 28228  | 489886  | 7.21%  | 0.262% |
| 345 | 21.546 | 21.522 | 21.554 | VV | 31843  | 579179  | 8.52%  | 0.310% |
| 346 | 21.567 | 21.554 | 21.631 | VV | 32688  | 1389003 | 20.44% | 0.743% |
| 347 | 21.662 | 21.631 | 21.688 | VV | 27487  | 918641  | 13.52% | 0.491% |
| 348 | 21.700 | 21.688 | 21.721 | VV | 26600  | 504969  | 7.43%  | 0.270% |
| 349 | 21.742 | 21.721 | 21.790 | VV | 25989  | 1041620 | 15.33% | 0.557% |
| 350 | 21.803 | 21.790 | 21.829 | VV | 24745  | 552564  | 8.13%  | 0.296% |
| 351 | 21.838 | 21.829 | 21.867 | VV | 23182  | 517276  | 7.61%  | 0.277% |

|     |        |        |        |     |        |         |        |        |  |
|-----|--------|--------|--------|-----|--------|---------|--------|--------|--|
|     |        |        |        |     | rteres |         |        |        |  |
| 352 | 21.899 | 21.867 | 21.912 | VV  | 25197  | 638108  | 9.39%  | 0.341% |  |
| 353 | 21.923 | 21.912 | 21.944 | VV  | 24506  | 445977  | 6.56%  | 0.239% |  |
| 354 | 21.978 | 21.944 | 22.027 | VV  | 27879  | 1215108 | 17.88% | 0.650% |  |
| 355 | 22.041 | 22.027 | 22.051 | VBA | 22652  | 339562  | 5.00%  | 0.182% |  |

Sum of corrected areas: 186968504

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