

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE100424AL\  
Data File : FE050518.D  
Signal(s) : FID1B.ch  
Acq On : 04 Oct 2024 17:51  
Sample : P4288-03D  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 091024.M  
Title : GC Extractables

Signal : FID1B.ch

| peak<br># | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-----------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1         | 3.174       | 3.121        | 3.192      | BV       | 99             | 807          | 0.01%          | 0.000%        |
| 2         | 3.204       | 3.192        | 3.219      | PV       | 111            | 1349         | 0.01%          | 0.000%        |
| 3         | 3.252       | 3.219        | 3.344      | VV       | 787            | 17958        | 0.14%          | 0.005%        |
| 4         | 3.369       | 3.344        | 3.411      | PV       | 1165           | 17929        | 0.14%          | 0.005%        |
| 5         | 3.421       | 3.411        | 3.436      | VV       | 212            | 2695         | 0.02%          | 0.001%        |
| 6         | 3.443       | 3.436        | 3.477      | VV       | 176            | 3327         | 0.03%          | 0.001%        |
| 7         | 3.487       | 3.477        | 3.513      | VV       | 195            | 2734         | 0.02%          | 0.001%        |
| 8         | 3.529       | 3.513        | 3.543      | VV       | 270            | 3046         | 0.02%          | 0.001%        |
| 9         | 3.563       | 3.543        | 3.604      | VV       | 605            | 9599         | 0.07%          | 0.003%        |
| 10        | 3.614       | 3.604        | 3.623      | PV       | 148            | 1031         | 0.01%          | 0.000%        |
| 11        | 3.641       | 3.623        | 3.678      | VV       | 297            | 5182         | 0.04%          | 0.002%        |
| 12        | 3.696       | 3.678        | 3.717      | VV       | 595            | 10408        | 0.08%          | 0.003%        |
| 13        | 3.736       | 3.717        | 3.761      | VV       | 969            | 16260        | 0.12%          | 0.005%        |
| 14        | 3.776       | 3.761        | 3.811      | VV       | 617            | 11369        | 0.09%          | 0.003%        |
| 15        | 3.835       | 3.811        | 3.843      | PV       | 485            | 6716         | 0.05%          | 0.002%        |
| 16        | 3.877       | 3.843        | 3.913      | VV       | 833            | 18366        | 0.14%          | 0.005%        |
| 17        | 3.938       | 3.913        | 3.999      | VV       | 816            | 19555        | 0.15%          | 0.006%        |
| 18        | 4.018       | 3.999        | 4.027      | PV       | 264            | 2554         | 0.02%          | 0.001%        |
| 19        | 4.041       | 4.027        | 4.053      | VV       | 618            | 6365         | 0.05%          | 0.002%        |
| 20        | 4.071       | 4.053        | 4.092      | VV       | 588            | 9317         | 0.07%          | 0.003%        |
| 21        | 4.146       | 4.092        | 4.164      | VV       | 686            | 19605        | 0.15%          | 0.006%        |
| 22        | 4.182       | 4.164        | 4.221      | VV       | 3209           | 43207        | 0.33%          | 0.013%        |
| 23        | 4.235       | 4.221        | 4.254      | VV       | 1110           | 16043        | 0.12%          | 0.005%        |
| 24        | 4.269       | 4.254        | 4.304      | VV       | 811            | 16428        | 0.13%          | 0.005%        |
| 25        | 4.313       | 4.304        | 4.342      | VV       | 471            | 6221         | 0.05%          | 0.002%        |
| 26        | 4.362       | 4.342        | 4.381      | VV       | 1681           | 20001        | 0.15%          | 0.006%        |
| 27        | 4.391       | 4.381        | 4.413      | VV       | 849            | 9661         | 0.07%          | 0.003%        |
| 28        | 4.440       | 4.413        | 4.462      | VV       | 693            | 11598        | 0.09%          | 0.003%        |
| 29        | 4.501       | 4.462        | 4.524      | VV       | 2141           | 30697        | 0.24%          | 0.009%        |
| 30        | 4.540       | 4.524        | 4.555      | VV       | 599            | 8324         | 0.06%          | 0.002%        |
| 31        | 4.572       | 4.555        | 4.599      | VV       | 663            | 9977         | 0.08%          | 0.003%        |
| 32        | 4.619       | 4.599        | 4.641      | PV       | 388            | 4432         | 0.03%          | 0.001%        |
| 33        | 4.675       | 4.641        | 4.693      | PV       | 832            | 12148        | 0.09%          | 0.004%        |
| 34        | 4.710       | 4.693        | 4.765      | VV       | 1000           | 23099        | 0.18%          | 0.007%        |
| 35        | 4.783       | 4.765        | 4.797      | VV       | 1460           | 15341        | 0.12%          | 0.005%        |
| 36        | 4.807       | 4.797        | 4.820      | VV       | 964            | 9324         | 0.07%          | 0.003%        |

| rteres |       |       |       |    |       |        |       |        |
|--------|-------|-------|-------|----|-------|--------|-------|--------|
| 37     | 4.840 | 4.820 | 4.850 | VV | 1224  | 16027  | 0.12% | 0.005% |
| 38     | 4.861 | 4.850 | 4.883 | VV | 1266  | 14641  | 0.11% | 0.004% |
| 39     | 4.904 | 4.883 | 4.921 | VV | 983   | 15540  | 0.12% | 0.005% |
| 40     | 4.937 | 4.921 | 4.954 | VV | 1378  | 20553  | 0.16% | 0.006% |
| 41     | 4.962 | 4.954 | 4.983 | VV | 985   | 12608  | 0.10% | 0.004% |
| 42     | 5.007 | 4.983 | 5.050 | VV | 4342  | 63641  | 0.49% | 0.019% |
| 43     | 5.081 | 5.050 | 5.101 | VV | 827   | 15803  | 0.12% | 0.005% |
| 44     | 5.113 | 5.101 | 5.136 | VV | 860   | 8485   | 0.06% | 0.003% |
| 45     | 5.178 | 5.136 | 5.189 | PV | 1300  | 20310  | 0.16% | 0.006% |
| 46     | 5.205 | 5.189 | 5.233 | VV | 2099  | 29960  | 0.23% | 0.009% |
| 47     | 5.255 | 5.233 | 5.267 | VV | 1867  | 24664  | 0.19% | 0.007% |
| 48     | 5.277 | 5.267 | 5.306 | VV | 1885  | 33580  | 0.26% | 0.010% |
| 49     | 5.319 | 5.306 | 5.355 | VV | 1792  | 26633  | 0.20% | 0.008% |
| 50     | 5.416 | 5.355 | 5.429 | PV | 1756  | 31229  | 0.24% | 0.009% |
| 51     | 5.440 | 5.429 | 5.459 | VV | 1403  | 19579  | 0.15% | 0.006% |
| 52     | 5.479 | 5.459 | 5.492 | VV | 2406  | 32614  | 0.25% | 0.010% |
| 53     | 5.515 | 5.492 | 5.551 | VV | 2531  | 56916  | 0.44% | 0.017% |
| 54     | 5.577 | 5.551 | 5.593 | VV | 2107  | 32838  | 0.25% | 0.010% |
| 55     | 5.604 | 5.593 | 5.621 | VV | 1213  | 11017  | 0.08% | 0.003% |
| 56     | 5.646 | 5.621 | 5.668 | PV | 11741 | 157704 | 1.21% | 0.047% |
| 57     | 5.677 | 5.668 | 5.722 | VV | 1895  | 33893  | 0.26% | 0.010% |
| 58     | 5.731 | 5.722 | 5.744 | VV | 527   | 5672   | 0.04% | 0.002% |
| 59     | 5.761 | 5.744 | 5.778 | VV | 903   | 10657  | 0.08% | 0.003% |
| 60     | 5.789 | 5.778 | 5.795 | VV | 428   | 3006   | 0.02% | 0.001% |
| 61     | 5.816 | 5.795 | 5.855 | VV | 6865  | 88637  | 0.68% | 0.026% |
| 62     | 5.868 | 5.855 | 5.883 | VV | 926   | 11177  | 0.09% | 0.003% |
| 63     | 5.901 | 5.883 | 5.916 | VV | 2961  | 28395  | 0.22% | 0.008% |
| 64     | 5.937 | 5.916 | 5.981 | VV | 4028  | 87937  | 0.67% | 0.026% |
| 65     | 6.000 | 5.981 | 6.011 | PV | 1047  | 12826  | 0.10% | 0.004% |
| 66     | 6.033 | 6.011 | 6.061 | VV | 3585  | 64310  | 0.49% | 0.019% |
| 67     | 6.067 | 6.061 | 6.080 | VV | 1488  | 11314  | 0.09% | 0.003% |
| 68     | 6.117 | 6.080 | 6.132 | VV | 3274  | 43817  | 0.34% | 0.013% |
| 69     | 6.169 | 6.132 | 6.188 | VV | 2918  | 59336  | 0.45% | 0.018% |
| 70     | 6.199 | 6.188 | 6.210 | VV | 1548  | 15534  | 0.12% | 0.005% |
| 71     | 6.257 | 6.210 | 6.284 | VV | 4593  | 105329 | 0.81% | 0.031% |
| 72     | 6.311 | 6.284 | 6.331 | PV | 2616  | 32311  | 0.25% | 0.010% |
| 73     | 6.356 | 6.331 | 6.363 | VV | 4034  | 46416  | 0.36% | 0.014% |
| 74     | 6.395 | 6.363 | 6.422 | VV | 5240  | 129436 | 0.99% | 0.038% |
| 75     | 6.441 | 6.422 | 6.471 | VV | 4383  | 80444  | 0.62% | 0.024% |
| 76     | 6.488 | 6.471 | 6.517 | VV | 5523  | 83343  | 0.64% | 0.025% |
| 77     | 6.557 | 6.517 | 6.573 | VV | 5478  | 103580 | 0.79% | 0.031% |
| 78     | 6.594 | 6.573 | 6.621 | VV | 5632  | 120119 | 0.92% | 0.036% |
| 79     | 6.629 | 6.621 | 6.650 | VV | 3365  | 47164  | 0.36% | 0.014% |
| 80     | 6.670 | 6.650 | 6.731 | VV | 9583  | 174735 | 1.34% | 0.052% |
| 81     | 6.758 | 6.731 | 6.774 | VV | 2969  | 43117  | 0.33% | 0.013% |
| 82     | 6.791 | 6.774 | 6.803 | VV | 4344  | 51181  | 0.39% | 0.015% |
| 83     | 6.822 | 6.803 | 6.849 | VV | 8578  | 142582 | 1.09% | 0.042% |
| 84     | 6.870 | 6.849 | 6.901 | VV | 4082  | 85677  | 0.66% | 0.025% |
| 85     | 6.926 | 6.901 | 6.941 | VV | 5965  | 92508  | 0.71% | 0.027% |
| 86     | 6.955 | 6.941 | 6.976 | VV | 6720  | 83756  | 0.64% | 0.025% |
| 87     | 6.995 | 6.976 | 7.043 | VV | 4537  | 111251 | 0.85% | 0.033% |
| 88     | 7.076 | 7.043 | 7.105 | VV | 12049 | 196444 | 1.50% | 0.058% |
| 89     | 7.121 | 7.105 | 7.137 | VV | 4063  | 61992  | 0.47% | 0.018% |

|     |       |       |       |    |        |         |       |        |
|-----|-------|-------|-------|----|--------|---------|-------|--------|
|     |       |       |       |    | rteres |         |       |        |
| 90  | 7.162 | 7.137 | 7.172 | VV | 4738   | 84596   | 0.65% | 0.025% |
| 91  | 7.199 | 7.172 | 7.220 | VV | 9933   | 182636  | 1.40% | 0.054% |
| 92  | 7.242 | 7.220 | 7.269 | VV | 10314  | 168577  | 1.29% | 0.050% |
| 93  | 7.312 | 7.269 | 7.337 | VV | 9403   | 256577  | 1.97% | 0.076% |
| 94  | 7.348 | 7.337 | 7.365 | VV | 5761   | 72001   | 0.55% | 0.021% |
| 95  | 7.388 | 7.365 | 7.427 | VV | 14700  | 268243  | 2.05% | 0.080% |
| 96  | 7.454 | 7.427 | 7.472 | VV | 8584   | 150131  | 1.15% | 0.045% |
| 97  | 7.486 | 7.472 | 7.508 | VV | 6434   | 100446  | 0.77% | 0.030% |
| 98  | 7.518 | 7.508 | 7.536 | VV | 4517   | 60952   | 0.47% | 0.018% |
| 99  | 7.615 | 7.536 | 7.639 | VV | 27612  | 674261  | 5.16% | 0.200% |
| 100 | 7.656 | 7.639 | 7.683 | VV | 9066   | 187614  | 1.44% | 0.056% |
| 101 | 7.699 | 7.683 | 7.728 | VV | 7648   | 155039  | 1.19% | 0.046% |
| 102 | 7.742 | 7.728 | 7.754 | VV | 3919   | 55546   | 0.43% | 0.016% |
| 103 | 7.790 | 7.754 | 7.828 | VV | 17493  | 404112  | 3.10% | 0.120% |
| 104 | 7.846 | 7.828 | 7.866 | VV | 8762   | 136932  | 1.05% | 0.041% |
| 105 | 7.886 | 7.866 | 7.907 | VV | 5945   | 120679  | 0.92% | 0.036% |
| 106 | 7.987 | 7.974 | 8.022 | VV | 16507  | 327557  | 2.51% | 0.097% |
| 107 | 8.046 | 8.022 | 8.067 | VV | 13316  | 273838  | 2.10% | 0.081% |
| 108 | 8.090 | 8.067 | 8.112 | VV | 11786  | 270474  | 2.07% | 0.080% |
| 109 | 8.138 | 8.112 | 8.160 | VV | 11551  | 257590  | 1.97% | 0.076% |
| 110 | 8.187 | 8.160 | 8.205 | VV | 13976  | 245029  | 1.88% | 0.073% |
| 111 | 8.226 | 8.205 | 8.238 | VV | 20067  | 276338  | 2.12% | 0.082% |
| 112 | 8.249 | 8.238 | 8.271 | VV | 17659  | 240890  | 1.84% | 0.072% |
| 113 | 8.284 | 8.271 | 8.293 | VV | 7633   | 92717   | 0.71% | 0.028% |
| 114 | 8.314 | 8.293 | 8.352 | VV | 20718  | 410818  | 3.15% | 0.122% |
| 115 | 8.364 | 8.352 | 8.384 | VV | 8362   | 138579  | 1.06% | 0.041% |
| 116 | 8.404 | 8.384 | 8.418 | VV | 15430  | 222028  | 1.70% | 0.066% |
| 117 | 8.430 | 8.418 | 8.443 | VV | 11736  | 160138  | 1.23% | 0.048% |
| 118 | 8.495 | 8.443 | 8.523 | VV | 40557  | 920095  | 7.05% | 0.273% |
| 119 | 8.536 | 8.523 | 8.558 | VV | 13859  | 233415  | 1.79% | 0.069% |
| 120 | 8.603 | 8.558 | 8.624 | VV | 13250  | 422890  | 3.24% | 0.126% |
| 121 | 8.653 | 8.624 | 8.670 | VV | 14989  | 343512  | 2.63% | 0.102% |
| 122 | 8.683 | 8.670 | 8.697 | VV | 14874  | 194998  | 1.49% | 0.058% |
| 123 | 8.718 | 8.697 | 8.757 | VV | 21558  | 464397  | 3.56% | 0.138% |
| 124 | 8.908 | 8.883 | 8.929 | VV | 28134  | 583712  | 4.47% | 0.173% |
| 125 | 8.944 | 8.929 | 8.968 | VV | 19783  | 401895  | 3.08% | 0.119% |
| 126 | 8.984 | 8.968 | 9.000 | VV | 18245  | 300595  | 2.30% | 0.089% |
| 127 | 9.033 | 9.000 | 9.061 | VV | 33117  | 712005  | 5.45% | 0.211% |
| 128 | 9.086 | 9.061 | 9.101 | VV | 15486  | 301585  | 2.31% | 0.090% |
| 129 | 9.111 | 9.101 | 9.129 | VV | 12974  | 186875  | 1.43% | 0.055% |
| 130 | 9.151 | 9.129 | 9.170 | VV | 15924  | 324758  | 2.49% | 0.096% |
| 131 | 9.186 | 9.170 | 9.206 | VV | 14765  | 280070  | 2.15% | 0.083% |
| 132 | 9.217 | 9.206 | 9.226 | VV | 11885  | 142247  | 1.09% | 0.042% |
| 133 | 9.249 | 9.226 | 9.284 | VV | 18641  | 487506  | 3.73% | 0.145% |
| 134 | 9.321 | 9.284 | 9.353 | VV | 60170  | 1011726 | 7.75% | 0.300% |
| 135 | 9.364 | 9.353 | 9.387 | VV | 13563  | 242122  | 1.85% | 0.072% |
| 136 | 9.405 | 9.387 | 9.432 | VV | 14552  | 313068  | 2.40% | 0.093% |
| 137 | 9.456 | 9.432 | 9.494 | VV | 12993  | 390391  | 2.99% | 0.116% |
| 138 | 9.521 | 9.494 | 9.535 | VV | 12967  | 246325  | 1.89% | 0.073% |
| 139 | 9.552 | 9.535 | 9.586 | VV | 14843  | 348529  | 2.67% | 0.103% |
| 140 | 9.608 | 9.586 | 9.638 | VV | 15083  | 370214  | 2.84% | 0.110% |
| 141 | 9.655 | 9.638 | 9.669 | VV | 12462  | 198920  | 1.52% | 0.059% |

| rteres |        |        |        |    |        |         |        |        |
|--------|--------|--------|--------|----|--------|---------|--------|--------|
| 142    | 9.699  | 9.669  | 9.728  | VV | 30568  | 665719  | 5.10%  | 0.198% |
| 143    | 9.739  | 9.728  | 9.751  | VV | 13509  | 177978  | 1.36%  | 0.053% |
| 144    | 9.778  | 9.751  | 9.803  | VV | 21231  | 485889  | 3.72%  | 0.144% |
| 145    | 9.826  | 9.803  | 9.841  | VV | 19108  | 351885  | 2.70%  | 0.104% |
| 146    | 9.853  | 9.841  | 9.865  | VV | 15399  | 203744  | 1.56%  | 0.060% |
| 147    | 9.880  | 9.865  | 9.901  | VV | 19053  | 312775  | 2.40%  | 0.093% |
| 148    | 9.931  | 9.901  | 9.960  | VV | 10935  | 358114  | 2.74%  | 0.106% |
| 149    | 9.982  | 9.960  | 10.003 | VV | 30181  | 476922  | 3.65%  | 0.142% |
| 150    | 10.018 | 10.003 | 10.034 | VV | 17356  | 300146  | 2.30%  | 0.089% |
| 151    | 10.054 | 10.034 | 10.078 | VV | 20488  | 434635  | 3.33%  | 0.129% |
| 152    | 10.100 | 10.078 | 10.149 | VV | 82452  | 1260619 | 9.65%  | 0.374% |
| 153    | 10.179 | 10.149 | 10.248 | VV | 12660  | 599853  | 4.59%  | 0.178% |
| 154    | 10.276 | 10.248 | 10.320 | VV | 11674  | 380917  | 2.92%  | 0.113% |
| 155    | 10.333 | 10.320 | 10.358 | VV | 8878   | 186212  | 1.43%  | 0.055% |
| 156    | 10.375 | 10.358 | 10.401 | VV | 10320  | 221524  | 1.70%  | 0.066% |
| 157    | 10.446 | 10.401 | 10.462 | VV | 18261  | 435981  | 3.34%  | 0.129% |
| 158    | 10.488 | 10.462 | 10.517 | VV | 44659  | 841712  | 6.45%  | 0.250% |
| 159    | 10.539 | 10.517 | 10.557 | VV | 16558  | 315275  | 2.41%  | 0.094% |
| 160    | 10.577 | 10.557 | 10.603 | VV | 19158  | 399734  | 3.06%  | 0.119% |
| 161    | 10.632 | 10.603 | 10.661 | VV | 22403  | 455592  | 3.49%  | 0.135% |
| 162    | 10.701 | 10.661 | 10.717 | VV | 9055   | 268259  | 2.05%  | 0.080% |
| 163    | 10.755 | 10.717 | 10.801 | VV | 12082  | 516176  | 3.95%  | 0.153% |
| 164    | 10.839 | 10.801 | 10.880 | VV | 92532  | 1440572 | 11.03% | 0.428% |
| 165    | 10.910 | 10.880 | 10.989 | VV | 55865  | 1350126 | 10.34% | 0.401% |
| 166    | 11.054 | 10.989 | 11.071 | VV | 9369   | 399071  | 3.06%  | 0.118% |
| 167    | 11.104 | 11.071 | 11.141 | VV | 84437  | 1281049 | 9.81%  | 0.380% |
| 168    | 11.185 | 11.141 | 11.202 | VV | 22425  | 623301  | 4.77%  | 0.185% |
| 169    | 11.229 | 11.202 | 11.271 | VV | 21314  | 626983  | 4.80%  | 0.186% |
| 170    | 11.294 | 11.271 | 11.329 | VV | 15664  | 367707  | 2.82%  | 0.109% |
| 171    | 11.346 | 11.329 | 11.383 | VV | 14047  | 283785  | 2.17%  | 0.084% |
| 172    | 11.405 | 11.383 | 11.432 | VV | 7478   | 195917  | 1.50%  | 0.058% |
| 173    | 11.476 | 11.432 | 11.514 | VV | 9346   | 393998  | 3.02%  | 0.117% |
| 174    | 11.542 | 11.514 | 11.603 | VV | 92501  | 1390242 | 10.65% | 0.413% |
| 175    | 11.633 | 11.603 | 11.678 | VV | 44224  | 824277  | 6.31%  | 0.245% |
| 176    | 11.700 | 11.678 | 11.720 | VV | 7772   | 159298  | 1.22%  | 0.047% |
| 177    | 11.740 | 11.720 | 11.758 | VV | 6743   | 123988  | 0.95%  | 0.037% |
| 178    | 11.864 | 11.758 | 11.891 | VV | 515318 | 6010312 | 46.03% | 1.784% |
| 179    | 11.909 | 11.891 | 11.920 | VV | 14579  | 223017  | 1.71%  | 0.066% |
| 180    | 11.940 | 11.920 | 11.960 | VV | 22196  | 367727  | 2.82%  | 0.109% |
| 181    | 11.974 | 11.960 | 11.999 | VV | 12353  | 214040  | 1.64%  | 0.064% |
| 182    | 12.023 | 11.999 | 12.046 | VV | 25994  | 417231  | 3.20%  | 0.124% |
| 183    | 12.057 | 12.046 | 12.073 | VV | 10066  | 139325  | 1.07%  | 0.041% |
| 184    | 12.091 | 12.073 | 12.129 | VV | 12542  | 265268  | 2.03%  | 0.079% |
| 185    | 12.149 | 12.129 | 12.164 | VV | 5740   | 102487  | 0.78%  | 0.030% |
| 186    | 12.210 | 12.164 | 12.238 | VV | 79983  | 1205605 | 9.23%  | 0.358% |
| 187    | 12.250 | 12.238 | 12.267 | VV | 7267   | 109808  | 0.84%  | 0.033% |
| 188    | 12.285 | 12.267 | 12.295 | VV | 6145   | 93126   | 0.71%  | 0.028% |
| 189    | 12.317 | 12.295 | 12.371 | VV | 7439   | 244981  | 1.88%  | 0.073% |
| 190    | 12.405 | 12.371 | 12.424 | VV | 5948   | 159447  | 1.22%  | 0.047% |
| 191    | 12.467 | 12.424 | 12.537 | VV | 34583  | 752414  | 5.76%  | 0.223% |
| 192    | 12.548 | 12.537 | 12.562 | VV | 5618   | 73525   | 0.56%  | 0.022% |
| 193    | 12.588 | 12.562 | 12.606 | VV | 8955   | 171807  | 1.32%  | 0.051% |
| 194    | 12.623 | 12.606 | 12.653 | VV | 10562  | 187294  | 1.43%  | 0.056% |

|     |        |        |        |    |        |         |        |        |
|-----|--------|--------|--------|----|--------|---------|--------|--------|
|     |        |        |        |    | rteres |         |        |        |
| 195 | 12.674 | 12.653 | 12.688 | VV | 7770   | 107124  | 0.82%  | 0.032% |
| 196 | 12.699 | 12.688 | 12.747 | VV | 5488   | 126510  | 0.97%  | 0.038% |
| 197 | 12.808 | 12.747 | 12.823 | VV | 8427   | 256833  | 1.97%  | 0.076% |
| 198 | 12.849 | 12.823 | 12.895 | VV | 71167  | 1000602 | 7.66%  | 0.297% |
| 199 | 12.924 | 12.895 | 12.980 | VV | 96829  | 1327968 | 10.17% | 0.394% |
| 200 | 12.993 | 12.980 | 13.011 | VV | 4145   | 57531   | 0.44%  | 0.017% |
| 201 | 13.023 | 13.011 | 13.054 | VV | 1974   | 39215   | 0.30%  | 0.012% |
| 202 | 13.111 | 13.054 | 13.157 | VV | 8054   | 283908  | 2.17%  | 0.084% |
| 203 | 13.170 | 13.157 | 13.194 | VV | 4156   | 62044   | 0.48%  | 0.018% |
| 204 | 13.221 | 13.194 | 13.263 | VV | 87514  | 1225848 | 9.39%  | 0.364% |
| 205 | 13.297 | 13.263 | 13.375 | VV | 374589 | 4726368 | 36.20% | 1.403% |
| 206 | 13.401 | 13.375 | 13.419 | VV | 4468   | 78653   | 0.60%  | 0.023% |
| 207 | 13.427 | 13.419 | 13.434 | VV | 2005   | 16662   | 0.13%  | 0.005% |
| 208 | 13.460 | 13.434 | 13.486 | VV | 49673  | 624250  | 4.78%  | 0.185% |
| 209 | 13.505 | 13.486 | 13.519 | VV | 7188   | 107918  | 0.83%  | 0.032% |
| 210 | 13.528 | 13.519 | 13.603 | VV | 5311   | 167540  | 1.28%  | 0.050% |
| 211 | 13.630 | 13.603 | 13.654 | VV | 2972   | 43653   | 0.33%  | 0.013% |
| 212 | 13.692 | 13.654 | 13.755 | PV | 13131  | 328881  | 2.52%  | 0.098% |
| 213 | 13.766 | 13.755 | 13.779 | VV | 2929   | 35770   | 0.27%  | 0.011% |
| 214 | 13.815 | 13.779 | 13.862 | VV | 12014  | 325429  | 2.49%  | 0.097% |
| 215 | 13.882 | 13.862 | 13.905 | VV | 5552   | 95856   | 0.73%  | 0.028% |
| 216 | 13.925 | 13.905 | 13.943 | VV | 6885   | 100389  | 0.77%  | 0.030% |
| 217 | 13.964 | 13.943 | 13.983 | VV | 8450   | 136673  | 1.05%  | 0.041% |
| 218 | 13.997 | 13.983 | 14.018 | VV | 5871   | 82158   | 0.63%  | 0.024% |
| 219 | 14.045 | 14.018 | 14.074 | VV | 38128  | 525491  | 4.02%  | 0.156% |
| 220 | 14.091 | 14.074 | 14.114 | VV | 10357  | 159871  | 1.22%  | 0.047% |
| 221 | 14.133 | 14.114 | 14.155 | VV | 7532   | 110726  | 0.85%  | 0.033% |
| 222 | 14.165 | 14.155 | 14.178 | VV | 2690   | 29540   | 0.23%  | 0.009% |
| 223 | 14.193 | 14.178 | 14.214 | VV | 2272   | 30304   | 0.23%  | 0.009% |
| 224 | 14.225 | 14.214 | 14.233 | PV | 354    | 1952    | 0.01%  | 0.001% |
| 225 | 14.268 | 14.233 | 14.325 | PV | 5666   | 157778  | 1.21%  | 0.047% |
| 226 | 14.344 | 14.325 | 14.382 | VV | 1939   | 37396   | 0.29%  | 0.011% |
| 227 | 14.408 | 14.382 | 14.423 | VV | 2825   | 38278   | 0.29%  | 0.011% |
| 228 | 14.458 | 14.423 | 14.474 | VV | 4811   | 91732   | 0.70%  | 0.027% |
| 229 | 14.486 | 14.474 | 14.500 | VV | 2969   | 35419   | 0.27%  | 0.011% |
| 230 | 14.548 | 14.500 | 14.574 | VV | 6174   | 170956  | 1.31%  | 0.051% |
| 231 | 14.607 | 14.574 | 14.635 | VV | 25805  | 355188  | 2.72%  | 0.105% |
| 232 | 14.673 | 14.635 | 14.714 | VV | 6568   | 181907  | 1.39%  | 0.054% |
| 233 | 14.740 | 14.714 | 14.767 | VV | 4853   | 99592   | 0.76%  | 0.030% |
| 234 | 14.796 | 14.767 | 14.837 | VV | 8486   | 185906  | 1.42%  | 0.055% |
| 235 | 14.857 | 14.837 | 14.880 | VV | 4134   | 72041   | 0.55%  | 0.021% |
| 236 | 14.907 | 14.880 | 14.938 | VV | 3265   | 69755   | 0.53%  | 0.021% |
| 237 | 14.955 | 14.938 | 14.970 | VV | 2028   | 24470   | 0.19%  | 0.007% |
| 238 | 15.000 | 14.970 | 15.021 | VV | 3660   | 61025   | 0.47%  | 0.018% |
| 239 | 15.034 | 15.021 | 15.052 | VV | 1372   | 18083   | 0.14%  | 0.005% |
| 240 | 15.079 | 15.052 | 15.087 | VV | 3098   | 36477   | 0.28%  | 0.011% |
| 241 | 15.109 | 15.087 | 15.126 | VV | 23967  | 297245  | 2.28%  | 0.088% |
| 242 | 15.147 | 15.126 | 15.181 | VV | 38394  | 587701  | 4.50%  | 0.174% |
| 243 | 15.191 | 15.181 | 15.211 | VV | 4837   | 68798   | 0.53%  | 0.020% |
| 244 | 15.266 | 15.211 | 15.300 | VV | 6326   | 196838  | 1.51%  | 0.058% |
| 245 | 15.316 | 15.300 | 15.325 | VV | 2928   | 35773   | 0.27%  | 0.011% |
| 246 | 15.342 | 15.325 | 15.374 | VV | 2575   | 47464   | 0.36%  | 0.014% |

|     |        |        |        |    | rteres |         |        |        |
|-----|--------|--------|--------|----|--------|---------|--------|--------|
| 247 | 15.416 | 15.374 | 15.433 | PV | 2063   | 38227   | 0.29%  | 0.011% |
| 248 | 15.460 | 15.433 | 15.503 | VV | 3612   | 84658   | 0.65%  | 0.025% |
| 249 | 15.530 | 15.503 | 15.558 | VV | 17380  | 288756  | 2.21%  | 0.086% |
| 250 | 15.570 | 15.558 | 15.601 | VV | 5558   | 107166  | 0.82%  | 0.032% |
| 251 | 15.607 | 15.601 | 15.637 | VV | 2602   | 40068   | 0.31%  | 0.012% |
| 252 | 15.665 | 15.637 | 15.709 | VV | 15369  | 313447  | 2.40%  | 0.093% |
| 253 | 15.736 | 15.709 | 15.758 | VV | 7590   | 143138  | 1.10%  | 0.042% |
| 254 | 15.784 | 15.758 | 15.814 | VV | 9899   | 219839  | 1.68%  | 0.065% |
| 255 | 15.824 | 15.814 | 15.868 | VV | 6023   | 149999  | 1.15%  | 0.045% |
| 256 | 15.886 | 15.868 | 15.903 | VV | 5792   | 101052  | 0.77%  | 0.030% |
| 257 | 15.927 | 15.903 | 15.965 | VV | 8368   | 258343  | 1.98%  | 0.077% |
| 258 | 15.976 | 15.965 | 16.008 | VV | 7005   | 163245  | 1.25%  | 0.048% |
| 259 | 16.026 | 16.008 | 16.039 | VV | 6397   | 112166  | 0.86%  | 0.033% |
| 260 | 16.071 | 16.039 | 16.094 | VV | 6699   | 206005  | 1.58%  | 0.061% |
| 261 | 16.168 | 16.094 | 16.201 | VV | 17744  | 585781  | 4.49%  | 0.174% |
| 262 | 16.233 | 16.201 | 16.273 | VV | 9021   | 344067  | 2.64%  | 0.102% |
| 263 | 16.293 | 16.273 | 16.318 | VV | 7800   | 182283  | 1.40%  | 0.054% |
| 264 | 16.354 | 16.318 | 16.368 | VV | 11107  | 267032  | 2.05%  | 0.079% |
| 265 | 16.377 | 16.368 | 16.403 | VV | 10322  | 189713  | 1.45%  | 0.056% |
| 266 | 16.459 | 16.403 | 16.470 | VV | 12476  | 391179  | 3.00%  | 0.116% |
| 267 | 16.481 | 16.470 | 16.514 | VV | 12468  | 298740  | 2.29%  | 0.089% |
| 268 | 16.552 | 16.514 | 16.594 | VV | 14986  | 608128  | 4.66%  | 0.181% |
| 269 | 16.669 | 16.594 | 16.692 | VV | 41657  | 1304552 | 9.99%  | 0.387% |
| 270 | 16.700 | 16.692 | 16.718 | VV | 24162  | 354374  | 2.71%  | 0.105% |
| 271 | 16.729 | 16.718 | 16.777 | VV | 22745  | 715158  | 5.48%  | 0.212% |
| 272 | 16.804 | 16.777 | 16.825 | VV | 22587  | 569885  | 4.36%  | 0.169% |
| 273 | 16.860 | 16.825 | 16.896 | VV | 21713  | 844697  | 6.47%  | 0.251% |
| 274 | 16.994 | 16.896 | 17.038 | VV | 36061  | 1909662 | 14.63% | 0.567% |
| 275 | 17.059 | 17.038 | 17.087 | VV | 33546  | 842597  | 6.45%  | 0.250% |
| 276 | 17.116 | 17.087 | 17.148 | VV | 35817  | 1146757 | 8.78%  | 0.340% |
| 277 | 17.163 | 17.148 | 17.187 | VV | 31785  | 688201  | 5.27%  | 0.204% |
| 278 | 17.206 | 17.187 | 17.223 | VV | 27073  | 553952  | 4.24%  | 0.164% |
| 279 | 17.288 | 17.223 | 17.305 | VV | 29964  | 1302416 | 9.98%  | 0.387% |
| 280 | 17.357 | 17.305 | 17.381 | VV | 33597  | 1353080 | 10.36% | 0.402% |
| 281 | 17.437 | 17.381 | 17.473 | VV | 36329  | 1813774 | 13.89% | 0.538% |
| 282 | 17.496 | 17.473 | 17.510 | VV | 35867  | 763305  | 5.85%  | 0.227% |
| 283 | 17.529 | 17.510 | 17.542 | VV | 38371  | 702030  | 5.38%  | 0.208% |
| 284 | 17.566 | 17.542 | 17.588 | VV | 47284  | 1145395 | 8.77%  | 0.340% |
| 285 | 17.597 | 17.588 | 17.621 | VV | 38205  | 722262  | 5.53%  | 0.214% |
| 286 | 17.634 | 17.621 | 17.651 | VV | 39434  | 666802  | 5.11%  | 0.198% |
| 287 | 17.676 | 17.651 | 17.698 | VV | 42065  | 1072328 | 8.21%  | 0.318% |
| 288 | 17.739 | 17.698 | 17.784 | VV | 39311  | 1928674 | 14.77% | 0.573% |
| 289 | 17.853 | 17.784 | 17.865 | VV | 39610  | 1812268 | 13.88% | 0.538% |
| 290 | 17.904 | 17.865 | 17.924 | VV | 43761  | 1437093 | 11.01% | 0.427% |
| 291 | 18.003 | 17.924 | 18.028 | VV | 61715  | 2966049 | 22.72% | 0.880% |
| 292 | 18.050 | 18.028 | 18.074 | VV | 45941  | 1212946 | 9.29%  | 0.360% |
| 293 | 18.098 | 18.074 | 18.115 | VV | 47165  | 1087046 | 8.33%  | 0.323% |
| 294 | 18.143 | 18.115 | 18.221 | VV | 68211  | 3387677 | 25.95% | 1.006% |
| 295 | 18.235 | 18.221 | 18.254 | VV | 48720  | 948628  | 7.27%  | 0.282% |
| 296 | 18.353 | 18.254 | 18.402 | VV | 59053  | 4778217 | 36.60% | 1.418% |
| 297 | 18.427 | 18.402 | 18.460 | VV | 67410  | 2083848 | 15.96% | 0.619% |
| 298 | 18.479 | 18.460 | 18.486 | VV | 61109  | 950810  | 7.28%  | 0.282% |
| 299 | 18.513 | 18.486 | 18.571 | VV | 74511  | 3203184 | 24.53% | 0.951% |

|     |        |        |        |    |        |          |         |        |
|-----|--------|--------|--------|----|--------|----------|---------|--------|
|     |        |        |        |    | rteres |          |         |        |
| 300 | 18.585 | 18.571 | 18.611 | VV | 58754  | 1362917  | 10.44%  | 0.405% |
| 301 | 18.632 | 18.611 | 18.654 | VV | 61248  | 1536993  | 11.77%  | 0.456% |
| 302 | 18.694 | 18.654 | 18.719 | VV | 65615  | 2434268  | 18.64%  | 0.723% |
| 303 | 18.734 | 18.719 | 18.761 | VV | 63089  | 1544103  | 11.83%  | 0.458% |
| 304 | 18.834 | 18.761 | 18.868 | VV | 83290  | 4375873  | 33.51%  | 1.299% |
| 305 | 18.935 | 18.868 | 18.960 | VV | 83074  | 3902576  | 29.89%  | 1.158% |
| 306 | 18.984 | 18.960 | 19.025 | VV | 79698  | 2881729  | 22.07%  | 0.855% |
| 307 | 19.035 | 19.025 | 19.049 | VV | 72311  | 1040105  | 7.97%   | 0.309% |
| 308 | 19.059 | 19.049 | 19.065 | VV | 71850  | 664735   | 5.09%   | 0.197% |
| 309 | 19.121 | 19.065 | 19.133 | VV | 77873  | 3078756  | 23.58%  | 0.914% |
| 310 | 19.148 | 19.133 | 19.171 | VV | 79295  | 1769572  | 13.55%  | 0.525% |
| 311 | 19.232 | 19.171 | 19.249 | VV | 91799  | 3911746  | 29.96%  | 1.161% |
| 312 | 19.263 | 19.249 | 19.300 | VV | 89986  | 2571401  | 19.69%  | 0.763% |
| 313 | 19.333 | 19.300 | 19.358 | VV | 89251  | 2887038  | 22.11%  | 0.857% |
| 314 | 19.435 | 19.358 | 19.444 | VV | 84714  | 4309855  | 33.01%  | 1.279% |
| 315 | 19.622 | 19.444 | 19.681 | VV | 107442 | 13056664 | 100.00% | 3.876% |
| 316 | 19.692 | 19.681 | 19.708 | VV | 96172  | 1542022  | 11.81%  | 0.458% |
| 317 | 19.737 | 19.708 | 19.769 | VV | 101012 | 3552957  | 27.21%  | 1.055% |
| 318 | 19.777 | 19.769 | 19.786 | VV | 94231  | 972982   | 7.45%   | 0.289% |
| 319 | 19.822 | 19.786 | 19.838 | VV | 101191 | 3004732  | 23.01%  | 0.892% |
| 320 | 19.849 | 19.838 | 19.868 | VV | 101044 | 1804091  | 13.82%  | 0.536% |
| 321 | 19.895 | 19.868 | 19.911 | VV | 105346 | 2694773  | 20.64%  | 0.800% |
| 322 | 19.919 | 19.911 | 19.928 | VV | 104996 | 1040081  | 7.97%   | 0.309% |
| 323 | 19.992 | 19.928 | 20.018 | VV | 121314 | 5977334  | 45.78%  | 1.774% |
| 324 | 20.039 | 20.018 | 20.074 | VV | 114586 | 3777956  | 28.94%  | 1.121% |
| 325 | 20.104 | 20.074 | 20.115 | VV | 112786 | 2700808  | 20.69%  | 0.802% |
| 326 | 20.155 | 20.115 | 20.181 | VV | 117114 | 4487931  | 34.37%  | 1.332% |
| 327 | 20.265 | 20.181 | 20.284 | VV | 129279 | 7494449  | 57.40%  | 2.225% |
| 328 | 20.293 | 20.284 | 20.314 | VV | 126964 | 2258127  | 17.29%  | 0.670% |
| 329 | 20.325 | 20.314 | 20.333 | VV | 127007 | 1445168  | 11.07%  | 0.429% |
| 330 | 20.362 | 20.333 | 20.396 | VV | 136881 | 4959797  | 37.99%  | 1.472% |
| 331 | 20.422 | 20.396 | 20.449 | VV | 136940 | 4261114  | 32.64%  | 1.265% |
| 332 | 20.458 | 20.449 | 20.464 | VV | 129368 | 1173204  | 8.99%   | 0.348% |
| 333 | 20.472 | 20.464 | 20.478 | VV | 130259 | 1073564  | 8.22%   | 0.319% |
| 334 | 20.488 | 20.478 | 20.505 | VV | 132161 | 2129878  | 16.31%  | 0.632% |
| 335 | 20.521 | 20.505 | 20.540 | VV | 132806 | 2738151  | 20.97%  | 0.813% |
| 336 | 20.584 | 20.540 | 20.594 | VV | 142317 | 4454558  | 34.12%  | 1.322% |
| 337 | 20.628 | 20.594 | 20.694 | VV | 145128 | 8594727  | 65.83%  | 2.551% |
| 338 | 20.712 | 20.694 | 20.771 | VV | 153654 | 6512683  | 49.88%  | 1.933% |
| 339 | 20.845 | 20.771 | 20.891 | VV | 144838 | 10145872 | 77.71%  | 3.012% |
| 340 | 20.899 | 20.891 | 20.910 | VV | 142684 | 1613861  | 12.36%  | 0.479% |
| 341 | 20.927 | 20.910 | 21.019 | VV | 142308 | 8681869  | 66.49%  | 2.577% |
| 342 | 21.032 | 21.019 | 21.043 | VV | 122434 | 1757782  | 13.46%  | 0.522% |
| 343 | 21.085 | 21.043 | 21.144 | VV | 140168 | 7937200  | 60.79%  | 2.356% |
| 344 | 21.155 | 21.144 | 21.164 | VV | 128175 | 1532601  | 11.74%  | 0.455% |
| 345 | 21.178 | 21.164 | 21.211 | VV | 129059 | 3542674  | 27.13%  | 1.052% |
| 346 | 21.225 | 21.211 | 21.281 | VV | 127597 | 5200681  | 39.83%  | 1.544% |
| 347 | 21.293 | 21.281 | 21.301 | VV | 120317 | 1442157  | 11.05%  | 0.428% |
| 348 | 21.313 | 21.301 | 21.360 | VV | 120354 | 4127159  | 31.61%  | 1.225% |
| 349 | 21.400 | 21.360 | 21.415 | VV | 117530 | 3862174  | 29.58%  | 1.146% |
| 350 | 21.446 | 21.415 | 21.464 | VV | 118671 | 3427806  | 26.25%  | 1.018% |
| 351 | 21.494 | 21.464 | 21.574 | VV | 123454 | 7448198  | 57.05%  | 2.211% |

|     |        |        |        |     |        |         |        |        |
|-----|--------|--------|--------|-----|--------|---------|--------|--------|
|     |        |        |        |     |        | rters   |        |        |
| 352 | 21.616 | 21.574 | 21.686 | VV  | 107173 | 6949201 | 53.22% | 2.063% |
| 353 | 21.701 | 21.686 | 21.710 | VV  | 102470 | 1435082 | 10.99% | 0.426% |
| 354 | 21.742 | 21.710 | 21.818 | VV  | 105661 | 6549720 | 50.16% | 1.944% |
| 355 | 21.838 | 21.818 | 21.851 | VV  | 97647  | 1895745 | 14.52% | 0.563% |
| 356 | 21.860 | 21.851 | 21.890 | VV  | 95859  | 2231289 | 17.09% | 0.662% |
| 357 | 21.911 | 21.890 | 21.935 | VV  | 92094  | 2427057 | 18.59% | 0.720% |
| 358 | 21.974 | 21.935 | 22.019 | VV  | 96984  | 4598107 | 35.22% | 1.365% |
| 359 | 22.026 | 22.019 | 22.071 | VV  | 87104  | 2714430 | 20.79% | 0.806% |
| 360 | 22.102 | 22.071 | 22.151 | VBA | 89553  | 4329734 | 33.16% | 1.285% |

Sum of corrected areas: 336874495

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