

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE022125AL\  
 Data File : FE052453.D  
 Signal(s) : FID1B.ch  
 Acq On : 21 Feb 2025 22:15  
 Sample : Q1400-01  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 021325.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         | 3.250       | 3.204        | 3.286      | BV       | 23154          | 277496       | 2.08%          | 0.079%        |
| 2         | 3.295       | 3.286        | 3.348      | VV       | 678            | 10249        | 0.08%          | 0.003%        |
| 3         | 3.366       | 3.348        | 3.379      | PV       | 2284           | 23160        | 0.17%          | 0.007%        |
| 4         | 3.394       | 3.379        | 3.410      | VV       | 2948           | 32932        | 0.25%          | 0.009%        |
| 5         | 3.437       | 3.410        | 3.453      | VV       | 4607           | 66471        | 0.50%          | 0.019%        |
| 6         | 3.464       | 3.453        | 3.480      | VV       | 2092           | 25722        | 0.19%          | 0.007%        |
| 7         | 3.496       | 3.480        | 3.514      | VV       | 2409           | 28641        | 0.21%          | 0.008%        |
| 8         | 3.534       | 3.514        | 3.546      | VV       | 1421           | 16147        | 0.12%          | 0.005%        |
| 9         | 3.566       | 3.546        | 3.600      | VV       | 8899           | 134728       | 1.01%          | 0.038%        |
| 10        | 3.622       | 3.600        | 3.634      | VV       | 4296           | 69846        | 0.52%          | 0.020%        |
| 11        | 3.647       | 3.634        | 3.677      | VV       | 4286           | 69022        | 0.52%          | 0.020%        |
| 12        | 3.701       | 3.677        | 3.718      | VV       | 18964          | 229236       | 1.72%          | 0.065%        |
| 13        | 3.732       | 3.718        | 3.752      | VV       | 10991          | 145091       | 1.09%          | 0.041%        |
| 14        | 3.785       | 3.752        | 3.817      | VV       | 9180           | 179753       | 1.35%          | 0.051%        |
| 15        | 3.839       | 3.817        | 3.874      | VV       | 23729          | 368095       | 2.76%          | 0.105%        |
| 16        | 3.889       | 3.874        | 3.912      | VV       | 16021          | 168661       | 1.26%          | 0.048%        |
| 17        | 3.937       | 3.912        | 3.965      | VV       | 27680          | 390249       | 2.93%          | 0.111%        |
| 18        | 3.974       | 3.965        | 4.002      | VV       | 8147           | 103598       | 0.78%          | 0.030%        |
| 19        | 4.049       | 4.002        | 4.066      | VV       | 38526          | 519875       | 3.90%          | 0.148%        |
| 20        | 4.084       | 4.066        | 4.104      | VV       | 27950          | 345470       | 2.59%          | 0.099%        |
| 21        | 4.121       | 4.104        | 4.137      | VV       | 9419           | 146804       | 1.10%          | 0.042%        |
| 22        | 4.161       | 4.137        | 4.184      | VV       | 29169          | 384699       | 2.88%          | 0.110%        |
| 23        | 4.232       | 4.184        | 4.266      | VV       | 79877          | 1017415      | 7.63%          | 0.290%        |
| 24        | 4.283       | 4.266        | 4.303      | VV       | 20509          | 283841       | 2.13%          | 0.081%        |
| 25        | 4.324       | 4.303        | 4.367      | VV       | 10674          | 232539       | 1.74%          | 0.066%        |
| 26        | 4.405       | 4.367        | 4.431      | VV       | 12434          | 220311       | 1.65%          | 0.063%        |
| 27        | 4.452       | 4.431        | 4.481      | VV       | 20405          | 326005       | 2.44%          | 0.093%        |
| 28        | 4.514       | 4.481        | 4.535      | VV       | 264429         | 2806766      | 21.05%         | 0.801%        |
| 29        | 4.550       | 4.535        | 4.569      | VV       | 50982          | 524881       | 3.94%          | 0.150%        |
| 30        | 4.588       | 4.569        | 4.607      | VV       | 22408          | 288228       | 2.16%          | 0.082%        |
| 31        | 4.623       | 4.607        | 4.650      | VV       | 12483          | 193095       | 1.45%          | 0.055%        |
| 32        | 4.667       | 4.650        | 4.677      | VV       | 11685          | 133970       | 1.00%          | 0.038%        |
| 33        | 4.697       | 4.677        | 4.709      | VV       | 17453          | 276937       | 2.08%          | 0.079%        |
| 34        | 4.726       | 4.709        | 4.754      | VV       | 25596          | 508802       | 3.82%          | 0.145%        |
| 35        | 4.768       | 4.754        | 4.781      | VV       | 21386          | 266792       | 2.00%          | 0.076%        |
| 36        | 4.801       | 4.781        | 4.839      | VV       | 89093          | 1331729      | 9.99%          | 0.380%        |

|    |       |       |       |    | rteres |          |        |        |
|----|-------|-------|-------|----|--------|----------|--------|--------|
| 37 | 4.878 | 4.839 | 4.894 | VV | 32486  | 758803   | 5.69%  | 0.217% |
| 38 | 4.905 | 4.894 | 4.911 | VV | 20486  | 197226   | 1.48%  | 0.056% |
| 39 | 4.932 | 4.911 | 4.946 | VV | 59479  | 762445   | 5.72%  | 0.218% |
| 40 | 4.978 | 4.946 | 4.999 | VV | 63100  | 1279558  | 9.59%  | 0.365% |
| 41 | 5.020 | 4.999 | 5.066 | VV | 60636  | 1124135  | 8.43%  | 0.321% |
| 42 | 5.097 | 5.066 | 5.117 | VV | 50317  | 727683   | 5.46%  | 0.208% |
| 43 | 5.133 | 5.117 | 5.161 | VV | 27545  | 444146   | 3.33%  | 0.127% |
| 44 | 5.196 | 5.161 | 5.208 | VV | 67625  | 862410   | 6.47%  | 0.246% |
| 45 | 5.230 | 5.208 | 5.253 | VV | 102596 | 1632370  | 12.24% | 0.466% |
| 46 | 5.272 | 5.253 | 5.288 | VV | 103511 | 1165019  | 8.74%  | 0.332% |
| 47 | 5.302 | 5.288 | 5.320 | VV | 74973  | 974384   | 7.31%  | 0.278% |
| 48 | 5.339 | 5.320 | 5.377 | VV | 91382  | 1371160  | 10.28% | 0.391% |
| 49 | 5.405 | 5.377 | 5.416 | VV | 17597  | 336743   | 2.53%  | 0.096% |
| 50 | 5.437 | 5.416 | 5.450 | VV | 37809  | 555012   | 4.16%  | 0.158% |
| 51 | 5.461 | 5.450 | 5.473 | VV | 34373  | 407568   | 3.06%  | 0.116% |
| 52 | 5.510 | 5.473 | 5.523 | VV | 59827  | 1215624  | 9.12%  | 0.347% |
| 53 | 5.535 | 5.523 | 5.552 | VV | 61495  | 755826   | 5.67%  | 0.216% |
| 54 | 5.562 | 5.552 | 5.585 | VV | 29616  | 557823   | 4.18%  | 0.159% |
| 55 | 5.598 | 5.585 | 5.614 | VV | 33680  | 447247   | 3.35%  | 0.128% |
| 56 | 5.625 | 5.614 | 5.634 | VV | 23295  | 249479   | 1.87%  | 0.071% |
| 57 | 5.662 | 5.634 | 5.714 | VV | 692490 | 8816927  | 66.11% | 2.516% |
| 58 | 5.736 | 5.714 | 5.769 | VV | 28804  | 746054   | 5.59%  | 0.213% |
| 59 | 5.790 | 5.769 | 5.802 | VV | 29532  | 473768   | 3.55%  | 0.135% |
| 60 | 5.846 | 5.802 | 5.906 | VV | 83359  | 2989533  | 22.42% | 0.853% |
| 61 | 5.925 | 5.906 | 5.934 | VV | 44906  | 621315   | 4.66%  | 0.177% |
| 62 | 5.968 | 5.934 | 5.991 | VV | 122271 | 2867525  | 21.50% | 0.818% |
| 63 | 6.007 | 5.991 | 6.021 | VV | 91545  | 1171210  | 8.78%  | 0.334% |
| 64 | 6.046 | 6.021 | 6.066 | VV | 119212 | 1919727  | 14.40% | 0.548% |
| 65 | 6.093 | 6.066 | 6.118 | VV | 54930  | 1247754  | 9.36%  | 0.356% |
| 66 | 6.141 | 6.118 | 6.160 | VV | 73316  | 1086090  | 8.14%  | 0.310% |
| 67 | 6.193 | 6.160 | 6.214 | VV | 86330  | 1771591  | 13.28% | 0.506% |
| 68 | 6.255 | 6.214 | 6.279 | VV | 95657  | 2520945  | 18.90% | 0.719% |
| 69 | 6.295 | 6.279 | 6.314 | VV | 94218  | 1271694  | 9.54%  | 0.363% |
| 70 | 6.341 | 6.314 | 6.359 | VV | 136428 | 2030246  | 15.22% | 0.579% |
| 71 | 6.379 | 6.359 | 6.391 | VV | 87318  | 1360379  | 10.20% | 0.388% |
| 72 | 6.406 | 6.391 | 6.447 | VV | 119848 | 2362083  | 17.71% | 0.674% |
| 73 | 6.462 | 6.447 | 6.475 | VV | 72028  | 966738   | 7.25%  | 0.276% |
| 74 | 6.521 | 6.475 | 6.550 | VV | 72650  | 2667441  | 20.00% | 0.761% |
| 75 | 6.570 | 6.550 | 6.594 | VV | 69691  | 1523579  | 11.42% | 0.435% |
| 76 | 6.619 | 6.594 | 6.674 | VV | 116677 | 3141812  | 23.56% | 0.897% |
| 77 | 6.701 | 6.674 | 6.747 | VV | 856471 | 10221804 | 76.65% | 2.917% |
| 78 | 6.785 | 6.747 | 6.797 | VV | 56669  | 1415000  | 10.61% | 0.404% |
| 79 | 6.819 | 6.797 | 6.831 | VV | 68664  | 1259468  | 9.44%  | 0.359% |
| 80 | 6.853 | 6.831 | 6.874 | VV | 229823 | 3264945  | 24.48% | 0.932% |
| 81 | 6.890 | 6.874 | 6.913 | VV | 111252 | 1946441  | 14.60% | 0.555% |
| 82 | 6.926 | 6.913 | 6.940 | VV | 72449  | 965067   | 7.24%  | 0.275% |
| 83 | 6.951 | 6.940 | 6.963 | VV | 56911  | 740124   | 5.55%  | 0.211% |
| 84 | 6.981 | 6.963 | 7.001 | VV | 100222 | 1598945  | 11.99% | 0.456% |
| 85 | 7.026 | 7.001 | 7.051 | VV | 95620  | 2172534  | 16.29% | 0.620% |
| 86 | 7.063 | 7.051 | 7.078 | VV | 77050  | 1027054  | 7.70%  | 0.293% |
| 87 | 7.104 | 7.078 | 7.142 | VV | 217025 | 3726027  | 27.94% | 1.063% |
| 88 | 7.177 | 7.142 | 7.192 | VV | 78105  | 1837930  | 13.78% | 0.524% |
| 89 | 7.231 | 7.192 | 7.252 | VV | 141458 | 3568205  | 26.76% | 1.018% |

|     |       |       |       |    |        |          |         |        |
|-----|-------|-------|-------|----|--------|----------|---------|--------|
|     |       |       |       |    | rteres |          |         |        |
| 90  | 7.274 | 7.252 | 7.300 | VV | 154573 | 2721142  | 20.40%  | 0.776% |
| 91  | 7.325 | 7.300 | 7.362 | VV | 177554 | 4447094  | 33.35%  | 1.269% |
| 92  | 7.380 | 7.362 | 7.400 | VV | 142154 | 2022876  | 15.17%  | 0.577% |
| 93  | 7.424 | 7.400 | 7.458 | VV | 233371 | 4174241  | 31.30%  | 1.191% |
| 94  | 7.480 | 7.458 | 7.502 | VV | 92210  | 1929321  | 14.47%  | 0.551% |
| 95  | 7.524 | 7.502 | 7.543 | VV | 95395  | 1667384  | 12.50%  | 0.476% |
| 96  | 7.552 | 7.543 | 7.557 | VV | 58293  | 490479   | 3.68%   | 0.140% |
| 97  | 7.570 | 7.557 | 7.584 | VV | 62547  | 948186   | 7.11%   | 0.271% |
| 98  | 7.654 | 7.584 | 7.674 | VV | 905946 | 13336027 | 100.00% | 3.805% |
| 99  | 7.685 | 7.674 | 7.728 | VV | 92962  | 2561095  | 19.20%  | 0.731% |
| 100 | 7.738 | 7.728 | 7.752 | VV | 73759  | 1002903  | 7.52%   | 0.286% |
| 101 | 7.774 | 7.752 | 7.800 | VV | 78284  | 2007827  | 15.06%  | 0.573% |
| 102 | 7.826 | 7.800 | 7.858 | VV | 176406 | 3830629  | 28.72%  | 1.093% |
| 103 | 7.875 | 7.858 | 7.897 | VV | 84456  | 1519813  | 11.40%  | 0.434% |
| 104 | 7.918 | 7.897 | 7.930 | VV | 73488  | 1209518  | 9.07%   | 0.345% |
| 105 | 8.020 | 8.006 | 8.060 | VV | 87767  | 2140353  | 16.05%  | 0.611% |
| 106 | 8.082 | 8.060 | 8.097 | VV | 96401  | 1716473  | 12.87%  | 0.490% |
| 107 | 8.115 | 8.097 | 8.128 | VV | 116702 | 1817945  | 13.63%  | 0.519% |
| 108 | 8.137 | 8.128 | 8.155 | VV | 101187 | 1376215  | 10.32%  | 0.393% |
| 109 | 8.180 | 8.155 | 8.200 | VV | 114543 | 2249304  | 16.87%  | 0.642% |
| 110 | 8.227 | 8.200 | 8.245 | VV | 158002 | 2779809  | 20.84%  | 0.793% |
| 111 | 8.261 | 8.245 | 8.270 | VV | 123191 | 1529107  | 11.47%  | 0.436% |
| 112 | 8.283 | 8.270 | 8.308 | VV | 157103 | 2303591  | 17.27%  | 0.657% |
| 113 | 8.355 | 8.308 | 8.385 | VV | 226992 | 4757708  | 35.68%  | 1.358% |
| 114 | 8.405 | 8.385 | 8.423 | VV | 85404  | 1674413  | 12.56%  | 0.478% |
| 115 | 8.444 | 8.423 | 8.465 | VV | 96807  | 2020195  | 15.15%  | 0.576% |
| 116 | 8.482 | 8.465 | 8.496 | VV | 92787  | 1527396  | 11.45%  | 0.436% |
| 117 | 8.539 | 8.496 | 8.564 | VV | 758997 | 10359471 | 77.68%  | 2.956% |
| 118 | 8.583 | 8.564 | 8.614 | VV | 92081  | 2265117  | 16.98%  | 0.646% |
| 119 | 8.634 | 8.614 | 8.667 | VV | 94717  | 2399553  | 17.99%  | 0.685% |
| 120 | 8.693 | 8.667 | 8.709 | VV | 93775  | 1983418  | 14.87%  | 0.566% |
| 121 | 8.722 | 8.709 | 8.738 | VV | 91284  | 1353199  | 10.15%  | 0.386% |
| 122 | 8.756 | 8.738 | 8.797 | VV | 100123 | 2637191  | 19.77%  | 0.753% |
| 123 | 8.911 | 8.877 | 8.921 | VV | 83215  | 1987791  | 14.91%  | 0.567% |
| 124 | 8.929 | 8.921 | 8.938 | VV | 79831  | 799300   | 5.99%   | 0.228% |
| 125 | 8.957 | 8.938 | 8.973 | VV | 93311  | 1733662  | 13.00%  | 0.495% |
| 126 | 8.990 | 8.973 | 9.012 | VV | 108730 | 2052173  | 15.39%  | 0.586% |
| 127 | 9.031 | 9.012 | 9.045 | VV | 91700  | 1534776  | 11.51%  | 0.438% |
| 128 | 9.078 | 9.045 | 9.105 | VV | 227084 | 4176895  | 31.32%  | 1.192% |
| 129 | 9.130 | 9.105 | 9.146 | VV | 95860  | 1765094  | 13.24%  | 0.504% |
| 130 | 9.156 | 9.146 | 9.170 | VV | 69461  | 918870   | 6.89%   | 0.262% |
| 131 | 9.183 | 9.170 | 9.192 | VV | 61510  | 792026   | 5.94%   | 0.226% |
| 132 | 9.225 | 9.192 | 9.245 | VV | 71916  | 1937141  | 14.53%  | 0.553% |
| 133 | 9.255 | 9.245 | 9.272 | VV | 53006  | 844774   | 6.33%   | 0.241% |
| 134 | 9.305 | 9.272 | 9.322 | VV | 64839  | 1692943  | 12.69%  | 0.483% |
| 135 | 9.368 | 9.322 | 9.427 | VV | 554586 | 8966041  | 67.23%  | 2.558% |
| 136 | 9.452 | 9.427 | 9.475 | VV | 66850  | 1542210  | 11.56%  | 0.440% |
| 137 | 9.499 | 9.475 | 9.533 | VV | 53442  | 1673987  | 12.55%  | 0.478% |
| 138 | 9.543 | 9.533 | 9.554 | VV | 42821  | 540492   | 4.05%   | 0.154% |
| 139 | 9.568 | 9.554 | 9.580 | VV | 47701  | 693415   | 5.20%   | 0.198% |
| 140 | 9.596 | 9.580 | 9.631 | VV | 52397  | 1389452  | 10.42%  | 0.396% |
| 141 | 9.649 | 9.631 | 9.684 | VV | 56832  | 1483692  | 11.13%  | 0.423% |

| rteres |        |        |        |    |        |         |        |        |
|--------|--------|--------|--------|----|--------|---------|--------|--------|
| 142    | 9.697  | 9.684  | 9.713  | VV | 42645  | 700456  | 5.25%  | 0.200% |
| 143    | 9.743  | 9.713  | 9.775  | VV | 90084  | 2308432 | 17.31% | 0.659% |
| 144    | 9.788  | 9.775  | 9.796  | VV | 50956  | 628159  | 4.71%  | 0.179% |
| 145    | 9.828  | 9.796  | 9.851  | VV | 75172  | 1873312 | 14.05% | 0.535% |
| 146    | 9.874  | 9.851  | 9.893  | VV | 69260  | 1306150 | 9.79%  | 0.373% |
| 147    | 9.927  | 9.893  | 9.953  | VV | 64830  | 1692504 | 12.69% | 0.483% |
| 148    | 9.974  | 9.953  | 9.992  | VV | 34446  | 755791  | 5.67%  | 0.216% |
| 149    | 10.012 | 9.992  | 10.038 | VV | 43020  | 969773  | 7.27%  | 0.277% |
| 150    | 10.058 | 10.038 | 10.078 | VV | 36260  | 795056  | 5.96%  | 0.227% |
| 151    | 10.104 | 10.078 | 10.124 | VV | 47647  | 1100487 | 8.25%  | 0.314% |
| 152    | 10.150 | 10.124 | 10.197 | VV | 316178 | 4591468 | 34.43% | 1.310% |
| 153    | 10.220 | 10.197 | 10.242 | VV | 33200  | 840744  | 6.30%  | 0.240% |
| 154    | 10.252 | 10.242 | 10.295 | VV | 31872  | 859944  | 6.45%  | 0.245% |
| 155    | 10.320 | 10.295 | 10.348 | VV | 27540  | 799675  | 6.00%  | 0.228% |
| 156    | 10.383 | 10.348 | 10.406 | VV | 24898  | 804094  | 6.03%  | 0.229% |
| 157    | 10.424 | 10.406 | 10.450 | VV | 24736  | 592778  | 4.44%  | 0.169% |
| 158    | 10.497 | 10.450 | 10.512 | VV | 34950  | 983852  | 7.38%  | 0.281% |
| 159    | 10.539 | 10.512 | 10.568 | VV | 79401  | 1574257 | 11.80% | 0.449% |
| 160    | 10.589 | 10.568 | 10.607 | VV | 33958  | 646782  | 4.85%  | 0.185% |
| 161    | 10.627 | 10.607 | 10.649 | VV | 36360  | 723615  | 5.43%  | 0.206% |
| 162    | 10.659 | 10.649 | 10.664 | VV | 21780  | 194282  | 1.46%  | 0.055% |
| 163    | 10.684 | 10.664 | 10.713 | VV | 36026  | 718582  | 5.39%  | 0.205% |
| 164    | 10.734 | 10.713 | 10.768 | VV | 18483  | 542591  | 4.07%  | 0.155% |
| 165    | 10.792 | 10.768 | 10.808 | VV | 19570  | 414466  | 3.11%  | 0.118% |
| 166    | 10.822 | 10.808 | 10.850 | VV | 18320  | 417190  | 3.13%  | 0.119% |
| 167    | 10.892 | 10.850 | 10.928 | VV | 159431 | 2365748 | 17.74% | 0.675% |
| 168    | 10.964 | 10.928 | 10.995 | VV | 55129  | 1196289 | 8.97%  | 0.341% |
| 169    | 11.006 | 10.995 | 11.061 | VV | 15667  | 507321  | 3.80%  | 0.145% |
| 170    | 11.081 | 11.061 | 11.091 | VV | 11230  | 194429  | 1.46%  | 0.055% |
| 171    | 11.104 | 11.091 | 11.115 | VV | 11345  | 159904  | 1.20%  | 0.046% |
| 172    | 11.140 | 11.115 | 11.189 | VV | 49298  | 885588  | 6.64%  | 0.253% |
| 173    | 11.215 | 11.189 | 11.253 | VV | 32387  | 688432  | 5.16%  | 0.196% |
| 174    | 11.283 | 11.253 | 11.328 | VV | 17535  | 568162  | 4.26%  | 0.162% |
| 175    | 11.348 | 11.328 | 11.380 | VV | 13830  | 306614  | 2.30%  | 0.087% |
| 176    | 11.400 | 11.380 | 11.416 | VV | 11778  | 201748  | 1.51%  | 0.058% |
| 177    | 11.432 | 11.416 | 11.478 | VV | 11863  | 301698  | 2.26%  | 0.086% |
| 178    | 11.500 | 11.478 | 11.520 | VV | 6477   | 152171  | 1.14%  | 0.043% |
| 179    | 11.538 | 11.520 | 11.568 | VV | 7227   | 184321  | 1.38%  | 0.053% |
| 180    | 11.597 | 11.568 | 11.650 | VV | 71177  | 1038098 | 7.78%  | 0.296% |
| 181    | 11.688 | 11.650 | 11.731 | VV | 25093  | 521439  | 3.91%  | 0.149% |
| 182    | 11.750 | 11.731 | 11.773 | VV | 4571   | 94249   | 0.71%  | 0.027% |
| 183    | 11.795 | 11.773 | 11.818 | VV | 5094   | 99751   | 0.75%  | 0.028% |
| 184    | 11.841 | 11.818 | 11.855 | VV | 3550   | 68359   | 0.51%  | 0.020% |
| 185    | 11.914 | 11.855 | 11.963 | VV | 422399 | 4914564 | 36.85% | 1.402% |
| 186    | 11.981 | 11.963 | 12.016 | VV | 9292   | 191135  | 1.43%  | 0.055% |
| 187    | 12.038 | 12.016 | 12.047 | VV | 6095   | 90803   | 0.68%  | 0.026% |
| 188    | 12.061 | 12.047 | 12.076 | VV | 7668   | 106930  | 0.80%  | 0.031% |
| 189    | 12.092 | 12.076 | 12.112 | VV | 6421   | 107539  | 0.81%  | 0.031% |
| 190    | 12.128 | 12.112 | 12.186 | VV | 5261   | 117172  | 0.88%  | 0.033% |
| 191    | 12.207 | 12.186 | 12.223 | VV | 1974   | 32917   | 0.25%  | 0.009% |
| 192    | 12.269 | 12.223 | 12.296 | VV | 36784  | 539687  | 4.05%  | 0.154% |
| 193    | 12.320 | 12.296 | 12.367 | VV | 12234  | 203272  | 1.52%  | 0.058% |
| 194    | 12.377 | 12.367 | 12.401 | VV | 1295   | 22122   | 0.17%  | 0.006% |

|     |        |        |        |    |        |         |        |        |
|-----|--------|--------|--------|----|--------|---------|--------|--------|
|     |        |        |        |    | rteres |         |        |        |
| 195 | 12.420 | 12.401 | 12.440 | VV | 2588   | 32077   | 0.24%  | 0.009% |
| 196 | 12.484 | 12.440 | 12.505 | PV | 2223   | 43170   | 0.32%  | 0.012% |
| 197 | 12.528 | 12.505 | 12.592 | VV | 5464   | 175183  | 1.31%  | 0.050% |
| 198 | 12.602 | 12.592 | 12.613 | VV | 1980   | 22971   | 0.17%  | 0.007% |
| 199 | 12.630 | 12.613 | 12.641 | VV | 2711   | 36540   | 0.27%  | 0.010% |
| 200 | 12.651 | 12.641 | 12.667 | VV | 2582   | 33397   | 0.25%  | 0.010% |
| 201 | 12.684 | 12.667 | 12.718 | VV | 3390   | 62995   | 0.47%  | 0.018% |
| 202 | 12.738 | 12.718 | 12.780 | VV | 3706   | 57876   | 0.43%  | 0.017% |
| 203 | 12.801 | 12.780 | 12.814 | VV | 1035   | 13562   | 0.10%  | 0.004% |
| 204 | 12.851 | 12.814 | 12.871 | VV | 4976   | 82052   | 0.62%  | 0.023% |
| 205 | 12.912 | 12.871 | 12.940 | VV | 27019  | 369069  | 2.77%  | 0.105% |
| 206 | 12.966 | 12.940 | 13.012 | VV | 44433  | 531398  | 3.98%  | 0.152% |
| 207 | 13.026 | 13.012 | 13.044 | VV | 620    | 6606    | 0.05%  | 0.002% |
| 208 | 13.065 | 13.044 | 13.079 | PV | 655    | 7670    | 0.06%  | 0.002% |
| 209 | 13.101 | 13.079 | 13.118 | VV | 1564   | 19290   | 0.14%  | 0.006% |
| 210 | 13.163 | 13.118 | 13.191 | VV | 2551   | 58205   | 0.44%  | 0.017% |
| 211 | 13.207 | 13.191 | 13.241 | VV | 1780   | 32386   | 0.24%  | 0.009% |
| 212 | 13.264 | 13.241 | 13.295 | VV | 36040  | 420668  | 3.15%  | 0.120% |
| 213 | 13.359 | 13.295 | 13.385 | VV | 311581 | 4064194 | 30.48% | 1.160% |
| 214 | 13.400 | 13.385 | 13.426 | VV | 25121  | 320077  | 2.40%  | 0.091% |
| 215 | 13.439 | 13.426 | 13.494 | VV | 3315   | 89481   | 0.67%  | 0.026% |
| 216 | 13.527 | 13.494 | 13.556 | PV | 19489  | 268799  | 2.02%  | 0.077% |
| 217 | 13.580 | 13.556 | 13.647 | VV | 6821   | 169975  | 1.27%  | 0.049% |
| 218 | 13.664 | 13.647 | 13.679 | VV | 1999   | 23502   | 0.18%  | 0.007% |
| 219 | 13.694 | 13.679 | 13.708 | VV | 1714   | 22278   | 0.17%  | 0.006% |
| 220 | 13.729 | 13.708 | 13.750 | VV | 2561   | 46375   | 0.35%  | 0.013% |
| 221 | 13.761 | 13.750 | 13.784 | VV | 1942   | 34890   | 0.26%  | 0.010% |
| 222 | 13.809 | 13.784 | 13.819 | VV | 1568   | 29697   | 0.22%  | 0.008% |
| 223 | 13.857 | 13.819 | 13.889 | VV | 7765   | 137718  | 1.03%  | 0.039% |
| 224 | 13.908 | 13.889 | 13.938 | VV | 2225   | 41968   | 0.31%  | 0.012% |
| 225 | 13.965 | 13.938 | 13.988 | VV | 5843   | 95429   | 0.72%  | 0.027% |
| 226 | 14.006 | 13.988 | 14.021 | VV | 3603   | 50894   | 0.38%  | 0.015% |
| 227 | 14.036 | 14.021 | 14.079 | VV | 2216   | 57222   | 0.43%  | 0.016% |
| 228 | 14.116 | 14.079 | 14.156 | VV | 16204  | 278440  | 2.09%  | 0.079% |
| 229 | 14.175 | 14.156 | 14.194 | VV | 3730   | 49291   | 0.37%  | 0.014% |
| 230 | 14.241 | 14.194 | 14.280 | VV | 1776   | 54152   | 0.41%  | 0.015% |
| 231 | 14.342 | 14.280 | 14.368 | PV | 2129   | 56542   | 0.42%  | 0.016% |
| 232 | 14.385 | 14.368 | 14.396 | VV | 1355   | 18560   | 0.14%  | 0.005% |
| 233 | 14.413 | 14.396 | 14.433 | VV | 1587   | 24136   | 0.18%  | 0.007% |
| 234 | 14.448 | 14.433 | 14.458 | VV | 685    | 6646    | 0.05%  | 0.002% |
| 235 | 14.477 | 14.458 | 14.492 | VV | 1730   | 21777   | 0.16%  | 0.006% |
| 236 | 14.528 | 14.492 | 14.542 | VV | 2529   | 53958   | 0.40%  | 0.015% |
| 237 | 14.594 | 14.542 | 14.650 | VV | 3791   | 130359  | 0.98%  | 0.037% |
| 238 | 14.679 | 14.650 | 14.716 | VV | 11025  | 174513  | 1.31%  | 0.050% |
| 239 | 14.740 | 14.716 | 14.755 | VV | 3641   | 64940   | 0.49%  | 0.019% |
| 240 | 14.775 | 14.755 | 14.816 | VV | 4991   | 103700  | 0.78%  | 0.030% |
| 241 | 14.838 | 14.816 | 14.860 | VV | 5631   | 73531   | 0.55%  | 0.021% |
| 242 | 14.899 | 14.860 | 14.944 | VV | 3215   | 77547   | 0.58%  | 0.022% |
| 243 | 14.962 | 14.944 | 14.983 | VV | 2104   | 28231   | 0.21%  | 0.008% |
| 244 | 15.000 | 14.983 | 15.012 | VV | 1167   | 13229   | 0.10%  | 0.004% |
| 245 | 15.028 | 15.012 | 15.051 | VV | 1567   | 18946   | 0.14%  | 0.005% |
| 246 | 15.105 | 15.051 | 15.121 | PV | 2150   | 44440   | 0.33%  | 0.013% |

| rteres |        |        |        |    |       |        |       |        |
|--------|--------|--------|--------|----|-------|--------|-------|--------|
| 247    | 15.150 | 15.121 | 15.170 | VV | 19417 | 246253 | 1.85% | 0.070% |
| 248    | 15.190 | 15.170 | 15.209 | VV | 18200 | 236728 | 1.78% | 0.068% |
| 249    | 15.221 | 15.209 | 15.260 | VV | 7567  | 107462 | 0.81% | 0.031% |
| 250    | 15.311 | 15.260 | 15.338 | VV | 5608  | 109761 | 0.82% | 0.031% |
| 251    | 15.355 | 15.338 | 15.374 | VV | 2361  | 37672  | 0.28% | 0.011% |
| 252    | 15.393 | 15.374 | 15.433 | VV | 1746  | 35210  | 0.26% | 0.010% |
| 253    | 15.460 | 15.433 | 15.504 | PV | 2834  | 68523  | 0.51% | 0.020% |
| 254    | 15.532 | 15.504 | 15.552 | VV | 1406  | 25242  | 0.19% | 0.007% |
| 255    | 15.604 | 15.552 | 15.658 | VV | 14302 | 295034 | 2.21% | 0.084% |
| 256    | 15.670 | 15.658 | 15.687 | VV | 1390  | 15741  | 0.12% | 0.004% |
| 257    | 15.743 | 15.687 | 15.771 | VV | 7404  | 124668 | 0.93% | 0.036% |
| 258    | 15.826 | 15.771 | 15.847 | VV | 6136  | 128374 | 0.96% | 0.037% |
| 259    | 15.867 | 15.847 | 15.894 | VV | 3789  | 64936  | 0.49% | 0.019% |
| 260    | 15.990 | 15.894 | 16.034 | VV | 4502  | 171291 | 1.28% | 0.049% |
| 261    | 16.067 | 16.034 | 16.085 | VV | 2517  | 47911  | 0.36% | 0.014% |
| 262    | 16.125 | 16.085 | 16.139 | VV | 2849  | 57199  | 0.43% | 0.016% |
| 263    | 16.159 | 16.139 | 16.172 | VV | 2919  | 49066  | 0.37% | 0.014% |
| 264    | 16.190 | 16.172 | 16.205 | VV | 2220  | 37344  | 0.28% | 0.011% |
| 265    | 16.247 | 16.205 | 16.316 | VV | 8710  | 233431 | 1.75% | 0.067% |
| 266    | 16.339 | 16.316 | 16.383 | VV | 1621  | 44579  | 0.33% | 0.013% |
| 267    | 16.432 | 16.383 | 16.477 | PV | 4328  | 137409 | 1.03% | 0.039% |
| 268    | 16.537 | 16.477 | 16.562 | VV | 3708  | 129046 | 0.97% | 0.037% |
| 269    | 16.588 | 16.562 | 16.597 | VV | 2638  | 49425  | 0.37% | 0.014% |
| 270    | 16.628 | 16.597 | 16.661 | VV | 5609  | 130391 | 0.98% | 0.037% |
| 271    | 16.715 | 16.661 | 16.781 | PV | 21993 | 532707 | 3.99% | 0.152% |
| 272    | 16.813 | 16.781 | 16.824 | VV | 3488  | 62944  | 0.47% | 0.018% |
| 273    | 16.844 | 16.824 | 16.866 | VV | 6734  | 110353 | 0.83% | 0.031% |
| 274    | 16.894 | 16.866 | 16.915 | VV | 4109  | 82658  | 0.62% | 0.024% |
| 275    | 16.938 | 16.915 | 16.980 | VV | 3276  | 86726  | 0.65% | 0.025% |
| 276    | 17.035 | 16.980 | 17.062 | VV | 15186 | 304016 | 2.28% | 0.087% |
| 277    | 17.092 | 17.062 | 17.129 | VV | 17049 | 262917 | 1.97% | 0.075% |
| 278    | 17.197 | 17.129 | 17.231 | VV | 12121 | 296114 | 2.22% | 0.084% |
| 279    | 17.247 | 17.231 | 17.269 | VV | 6738  | 107566 | 0.81% | 0.031% |
| 280    | 17.278 | 17.269 | 17.287 | VV | 2805  | 27789  | 0.21% | 0.008% |
| 281    | 17.356 | 17.287 | 17.365 | VV | 3216  | 125405 | 0.94% | 0.036% |
| 282    | 17.370 | 17.365 | 17.379 | VV | 3001  | 22665  | 0.17% | 0.006% |
| 283    | 17.444 | 17.379 | 17.455 | VV | 5108  | 181303 | 1.36% | 0.052% |
| 284    | 17.463 | 17.455 | 17.484 | VV | 4908  | 67035  | 0.50% | 0.019% |
| 285    | 17.510 | 17.484 | 17.544 | VV | 5443  | 142738 | 1.07% | 0.041% |
| 286    | 17.614 | 17.544 | 17.634 | VV | 6723  | 252769 | 1.90% | 0.072% |
| 287    | 17.652 | 17.634 | 17.671 | VV | 10469 | 152397 | 1.14% | 0.043% |
| 288    | 17.684 | 17.671 | 17.698 | VV | 4419  | 60698  | 0.46% | 0.017% |
| 289    | 17.720 | 17.698 | 17.731 | VV | 3732  | 72236  | 0.54% | 0.021% |
| 290    | 17.760 | 17.731 | 17.791 | VV | 8059  | 180274 | 1.35% | 0.051% |
| 291    | 17.821 | 17.791 | 17.844 | VV | 5495  | 125896 | 0.94% | 0.036% |
| 292    | 17.938 | 17.844 | 17.957 | VV | 4343  | 242797 | 1.82% | 0.069% |
| 293    | 17.988 | 17.957 | 18.014 | VV | 7278  | 186295 | 1.40% | 0.053% |
| 294    | 18.087 | 18.014 | 18.112 | VV | 16710 | 539526 | 4.05% | 0.154% |
| 295    | 18.129 | 18.112 | 18.151 | VV | 6932  | 133877 | 1.00% | 0.038% |
| 296    | 18.231 | 18.151 | 18.310 | VV | 17640 | 806407 | 6.05% | 0.230% |
| 297    | 18.324 | 18.310 | 18.349 | VV | 6274  | 126398 | 0.95% | 0.036% |
| 298    | 18.375 | 18.349 | 18.392 | VV | 8250  | 164580 | 1.23% | 0.047% |
| 299    | 18.405 | 18.392 | 18.418 | VV | 7617  | 103995 | 0.78% | 0.030% |

|     |        |        |        |    |        |         |        |        |
|-----|--------|--------|--------|----|--------|---------|--------|--------|
|     |        |        |        |    | rteres |         |        |        |
| 300 | 18.464 | 18.418 | 18.489 | VV | 19998  | 522768  | 3.92%  | 0.149% |
| 301 | 18.512 | 18.489 | 18.539 | VV | 16939  | 332643  | 2.49%  | 0.095% |
| 302 | 18.555 | 18.539 | 18.570 | VV | 7606   | 127413  | 0.96%  | 0.036% |
| 303 | 18.599 | 18.570 | 18.622 | VV | 18292  | 389520  | 2.92%  | 0.111% |
| 304 | 18.635 | 18.622 | 18.674 | VV | 11338  | 293426  | 2.20%  | 0.084% |
| 305 | 18.680 | 18.674 | 18.694 | VV | 7559   | 81716   | 0.61%  | 0.023% |
| 306 | 18.721 | 18.694 | 18.758 | VV | 17152  | 391586  | 2.94%  | 0.112% |
| 307 | 18.767 | 18.758 | 18.788 | VV | 8147   | 132211  | 0.99%  | 0.038% |
| 308 | 18.808 | 18.788 | 18.831 | VV | 8806   | 202080  | 1.52%  | 0.058% |
| 309 | 18.855 | 18.831 | 18.876 | VV | 10115  | 230652  | 1.73%  | 0.066% |
| 310 | 18.922 | 18.876 | 18.951 | VV | 17935  | 524569  | 3.93%  | 0.150% |
| 311 | 19.026 | 18.951 | 19.051 | VV | 19211  | 698927  | 5.24%  | 0.199% |
| 312 | 19.072 | 19.051 | 19.102 | VV | 19368  | 476691  | 3.57%  | 0.136% |
| 313 | 19.110 | 19.102 | 19.135 | VV | 13039  | 240943  | 1.81%  | 0.069% |
| 314 | 19.201 | 19.135 | 19.217 | VV | 17011  | 702306  | 5.27%  | 0.200% |
| 315 | 19.238 | 19.217 | 19.258 | VV | 19305  | 409195  | 3.07%  | 0.117% |
| 316 | 19.322 | 19.258 | 19.341 | VV | 24365  | 980095  | 7.35%  | 0.280% |
| 317 | 19.356 | 19.341 | 19.381 | VV | 20892  | 448191  | 3.36%  | 0.128% |
| 318 | 19.425 | 19.381 | 19.474 | VV | 23192  | 1097345 | 8.23%  | 0.313% |
| 319 | 19.531 | 19.474 | 19.541 | VV | 21151  | 786604  | 5.90%  | 0.224% |
| 320 | 19.572 | 19.541 | 19.584 | VV | 21166  | 538238  | 4.04%  | 0.154% |
| 321 | 19.607 | 19.584 | 19.634 | VV | 21382  | 618713  | 4.64%  | 0.177% |
| 322 | 19.643 | 19.634 | 19.654 | VV | 20688  | 244937  | 1.84%  | 0.070% |
| 323 | 19.675 | 19.654 | 19.684 | VV | 21465  | 368141  | 2.76%  | 0.105% |
| 324 | 19.710 | 19.684 | 19.778 | VV | 29607  | 1406697 | 10.55% | 0.401% |
| 325 | 19.830 | 19.778 | 19.861 | VV | 29789  | 1295643 | 9.72%  | 0.370% |
| 326 | 19.886 | 19.861 | 19.907 | VV | 30611  | 784994  | 5.89%  | 0.224% |
| 327 | 19.919 | 19.907 | 19.929 | VV | 28682  | 367331  | 2.75%  | 0.105% |
| 328 | 19.961 | 19.929 | 19.981 | VV | 32336  | 957294  | 7.18%  | 0.273% |
| 329 | 19.998 | 19.981 | 20.011 | VV | 29311  | 523997  | 3.93%  | 0.150% |
| 330 | 20.020 | 20.011 | 20.028 | VV | 28632  | 279200  | 2.09%  | 0.080% |
| 331 | 20.086 | 20.028 | 20.110 | VV | 37118  | 1628589 | 12.21% | 0.465% |
| 332 | 20.132 | 20.110 | 20.178 | VV | 33422  | 1261905 | 9.46%  | 0.360% |
| 333 | 20.261 | 20.178 | 20.295 | VV | 37548  | 2352756 | 17.64% | 0.671% |
| 334 | 20.358 | 20.295 | 20.379 | VV | 44334  | 1945096 | 14.59% | 0.555% |
| 335 | 20.411 | 20.379 | 20.421 | VV | 38873  | 962758  | 7.22%  | 0.275% |
| 336 | 20.453 | 20.421 | 20.477 | VV | 46282  | 1392002 | 10.44% | 0.397% |
| 337 | 20.521 | 20.477 | 20.543 | VV | 45677  | 1696665 | 12.72% | 0.484% |
| 338 | 20.584 | 20.543 | 20.606 | VV | 47407  | 1723371 | 12.92% | 0.492% |
| 339 | 20.659 | 20.606 | 20.690 | VV | 47811  | 2326801 | 17.45% | 0.664% |
| 340 | 20.705 | 20.690 | 20.726 | VV | 46010  | 1010330 | 7.58%  | 0.288% |
| 341 | 20.809 | 20.726 | 20.888 | VV | 55668  | 4632920 | 34.74% | 1.322% |
| 342 | 20.918 | 20.888 | 21.000 | VV | 44921  | 2791626 | 20.93% | 0.797% |
| 343 | 21.057 | 21.000 | 21.071 | VV | 40728  | 1643396 | 12.32% | 0.469% |
| 344 | 21.119 | 21.071 | 21.167 | VV | 40806  | 2300471 | 17.25% | 0.656% |
| 345 | 21.193 | 21.167 | 21.248 | VV | 43360  | 1826199 | 13.69% | 0.521% |
| 346 | 21.268 | 21.248 | 21.284 | VV | 34432  | 731772  | 5.49%  | 0.209% |
| 347 | 21.292 | 21.284 | 21.325 | VV | 33934  | 799455  | 5.99%  | 0.228% |
| 348 | 21.337 | 21.325 | 21.364 | VV | 34254  | 786763  | 5.90%  | 0.225% |
| 349 | 21.379 | 21.364 | 21.432 | VV | 33437  | 1309373 | 9.82%  | 0.374% |
| 350 | 21.465 | 21.432 | 21.512 | VV | 30761  | 1409729 | 10.57% | 0.402% |
| 351 | 21.528 | 21.512 | 21.578 | VV | 26534  | 1002552 | 7.52%  | 0.286% |

|     |        |        |        |    |       |         |        |        |
|-----|--------|--------|--------|----|-------|---------|--------|--------|
|     |        |        |        |    |       | rteres  |        |        |
| 352 | 21.635 | 21.578 | 21.681 | VV | 29202 | 1613606 | 12.10% | 0.460% |
| 353 | 21.704 | 21.681 | 21.724 | VV | 26820 | 644857  | 4.84%  | 0.184% |
| 354 | 21.736 | 21.724 | 21.742 | VV | 25374 | 270380  | 2.03%  | 0.077% |
| 355 | 21.752 | 21.742 | 21.803 | VV | 26573 | 893118  | 6.70%  | 0.255% |
| 356 | 21.813 | 21.803 | 21.832 | VV | 22867 | 388006  | 2.91%  | 0.111% |
| 357 | 21.859 | 21.832 | 22.038 | VV | 21888 | 2020380 | 15.15% | 0.577% |
| 358 | 22.054 | 22.038 | 22.067 | VV | 11472 | 185943  | 1.39%  | 0.053% |
| 359 | 22.121 | 22.067 | 22.169 | VV | 17788 | 868683  | 6.51%  | 0.248% |
| 360 | 22.196 | 22.169 | 22.204 | VV | 12161 | 246184  | 1.85%  | 0.070% |
| 361 | 22.214 | 22.204 | 22.228 | VV | 11886 | 169408  | 1.27%  | 0.048% |
| 362 | 22.238 | 22.228 | 22.248 | VV | 11573 | 130722  | 0.98%  | 0.037% |
| 363 | 22.271 | 22.248 | 22.323 | VV | 11299 | 409099  | 3.07%  | 0.117% |
| 364 | 22.375 | 22.323 | 22.458 | VV | 8951  | 461219  | 3.46%  | 0.132% |
| 365 | 22.465 | 22.458 | 22.490 | VV | 1539  | 11257   | 0.08%  | 0.003% |

Sum of corrected areas: 350446294

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