

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC121318AL\  
 Data File : FC038186.D  
 Signal(s) : FID1A.CH  
 Acq On : 13 Dec 2018 7:41  
 Sample : J6340-07  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Alaphatic EPH 121018.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         | 3.123       | 3.082        | 3.187      | BV       | 903            | 16275        | 0.48%          | 0.042%        |
| 2         | 3.234       | 3.187        | 3.247      | PV       | 701            | 10439        | 0.31%          | 0.027%        |
| 3         | 3.259       | 3.247        | 3.277      | VV       | 607            | 5665         | 0.17%          | 0.015%        |
| 4         | 3.294       | 3.277        | 3.308      | VV       | 540            | 6284         | 0.18%          | 0.016%        |
| 5         | 3.322       | 3.308        | 3.357      | VV       | 389            | 7071         | 0.21%          | 0.018%        |
| 6         | 3.376       | 3.357        | 3.414      | PV       | 1217           | 17487        | 0.51%          | 0.045%        |
| 7         | 3.445       | 3.414        | 3.468      | VV       | 399            | 8419         | 0.25%          | 0.022%        |
| 8         | 3.487       | 3.468        | 3.533      | VV       | 1102           | 19288        | 0.57%          | 0.050%        |
| 9         | 3.555       | 3.533        | 3.581      | VV       | 1014           | 14451        | 0.43%          | 0.037%        |
| 10        | 3.605       | 3.581        | 3.619      | VV       | 612            | 8435         | 0.25%          | 0.022%        |
| 11        | 3.643       | 3.619        | 3.666      | VV       | 842            | 10094        | 0.30%          | 0.026%        |
| 12        | 3.689       | 3.666        | 3.741      | VV       | 1137           | 19916        | 0.59%          | 0.052%        |
| 13        | 3.777       | 3.741        | 3.787      | VV       | 1008           | 15250        | 0.45%          | 0.040%        |
| 14        | 3.804       | 3.787        | 3.855      | VV       | 3733           | 92199        | 2.71%          | 0.239%        |
| 15        | 3.867       | 3.855        | 3.921      | VV       | 1341           | 36211        | 1.07%          | 0.094%        |
| 16        | 3.938       | 3.921        | 3.961      | VV       | 2021           | 29783        | 0.88%          | 0.077%        |
| 17        | 3.977       | 3.961        | 3.999      | VV       | 950            | 16326        | 0.48%          | 0.042%        |
| 18        | 4.006       | 3.999        | 4.052      | VV       | 586            | 13319        | 0.39%          | 0.035%        |
| 19        | 4.086       | 4.052        | 4.109      | VV       | 562            | 13227        | 0.39%          | 0.034%        |
| 20        | 4.123       | 4.109        | 4.147      | VV       | 657            | 9984         | 0.29%          | 0.026%        |
| 21        | 4.175       | 4.147        | 4.197      | VV       | 1478           | 20905        | 0.62%          | 0.054%        |
| 22        | 4.211       | 4.197        | 4.229      | VV       | 983            | 12503        | 0.37%          | 0.032%        |
| 23        | 4.245       | 4.229        | 4.264      | VV       | 735            | 10052        | 0.30%          | 0.026%        |
| 24        | 4.273       | 4.264        | 4.294      | VV       | 358            | 4575         | 0.13%          | 0.012%        |
| 25        | 4.330       | 4.294        | 4.377      | VV       | 1614           | 35301        | 1.04%          | 0.091%        |
| 26        | 4.393       | 4.377        | 4.410      | VV       | 730            | 11746        | 0.35%          | 0.030%        |
| 27        | 4.426       | 4.410        | 4.466      | VV       | 1505           | 24072        | 0.71%          | 0.062%        |
| 28        | 4.482       | 4.466        | 4.511      | VV       | 436            | 7185         | 0.21%          | 0.019%        |
| 29        | 4.547       | 4.511        | 4.558      | VV       | 451            | 8462         | 0.25%          | 0.022%        |
| 30        | 4.586       | 4.558        | 4.607      | VV       | 552            | 12101        | 0.36%          | 0.031%        |
| 31        | 4.629       | 4.607        | 4.662      | VV       | 1121           | 16260        | 0.48%          | 0.042%        |
| 32        | 4.694       | 4.662        | 4.746      | VV       | 432            | 9871         | 0.29%          | 0.026%        |
| 33        | 4.777       | 4.746        | 4.794      | PV       | 487            | 7715         | 0.23%          | 0.020%        |
| 34        | 4.807       | 4.794        | 4.832      | VV       | 669            | 7522         | 0.22%          | 0.019%        |
| 35        | 4.847       | 4.832        | 4.864      | VV       | 712            | 8472         | 0.25%          | 0.022%        |
| 36        | 4.878       | 4.864        | 4.887      | VV       | 440            | 4881         | 0.14%          | 0.013%        |

|    |       |       |       |    |            |        |       |        |
|----|-------|-------|-------|----|------------|--------|-------|--------|
|    |       |       |       |    | rteres.txt |        |       |        |
| 37 | 4.909 | 4.887 | 4.945 | VV | 594        | 11135  | 0.33% | 0.029% |
| 38 | 4.960 | 4.945 | 4.978 | VV | 160        | 2037   | 0.06% | 0.005% |
| 39 | 4.997 | 4.978 | 5.016 | PV | 246        | 3493   | 0.10% | 0.009% |
| 40 | 5.040 | 5.016 | 5.050 | VV | 416        | 5397   | 0.16% | 0.014% |
| 41 | 5.071 | 5.050 | 5.115 | VV | 526        | 12605  | 0.37% | 0.033% |
| 42 | 5.145 | 5.115 | 5.164 | VV | 384        | 5689   | 0.17% | 0.015% |
| 43 | 5.173 | 5.164 | 5.183 | VV | 212        | 1705   | 0.05% | 0.004% |
| 44 | 5.205 | 5.183 | 5.259 | PV | 2026       | 29670  | 0.87% | 0.077% |
| 45 | 5.273 | 5.259 | 5.302 | VV | 255        | 3924   | 0.12% | 0.010% |
| 46 | 5.316 | 5.302 | 5.339 | VV | 253        | 3269   | 0.10% | 0.008% |
| 47 | 5.384 | 5.339 | 5.431 | VV | 647        | 17165  | 0.51% | 0.044% |
| 48 | 5.492 | 5.431 | 5.512 | VV | 725        | 15452  | 0.45% | 0.040% |
| 49 | 5.528 | 5.512 | 5.539 | VV | 381        | 4495   | 0.13% | 0.012% |
| 50 | 5.549 | 5.539 | 5.579 | VV | 345        | 6024   | 0.18% | 0.016% |
| 51 | 5.587 | 5.579 | 5.623 | VV | 315        | 5503   | 0.16% | 0.014% |
| 52 | 5.646 | 5.623 | 5.671 | VV | 579        | 9778   | 0.29% | 0.025% |
| 53 | 5.684 | 5.671 | 5.716 | VV | 964        | 10856  | 0.32% | 0.028% |
| 54 | 5.742 | 5.716 | 5.816 | VV | 3803       | 78651  | 2.32% | 0.204% |
| 55 | 5.837 | 5.816 | 5.859 | VV | 1007       | 16278  | 0.48% | 0.042% |
| 56 | 5.907 | 5.859 | 5.947 | VV | 1093       | 31043  | 0.91% | 0.080% |
| 57 | 5.974 | 5.947 | 6.027 | VV | 715        | 17328  | 0.51% | 0.045% |
| 58 | 6.079 | 6.027 | 6.102 | VV | 726        | 19405  | 0.57% | 0.050% |
| 59 | 6.127 | 6.102 | 6.153 | VV | 550        | 10545  | 0.31% | 0.027% |
| 60 | 6.179 | 6.153 | 6.241 | VV | 2034       | 29106  | 0.86% | 0.075% |
| 61 | 6.271 | 6.241 | 6.282 | VV | 325        | 6327   | 0.19% | 0.016% |
| 62 | 6.293 | 6.282 | 6.306 | VV | 377        | 4079   | 0.12% | 0.011% |
| 63 | 6.326 | 6.306 | 6.377 | VV | 1583       | 27684  | 0.81% | 0.072% |
| 64 | 6.388 | 6.377 | 6.432 | VV | 390        | 6508   | 0.19% | 0.017% |
| 65 | 6.446 | 6.432 | 6.465 | VV | 385        | 5155   | 0.15% | 0.013% |
| 66 | 6.489 | 6.465 | 6.532 | VV | 694        | 13301  | 0.39% | 0.034% |
| 67 | 6.550 | 6.532 | 6.634 | VV | 403        | 18093  | 0.53% | 0.047% |
| 68 | 6.693 | 6.634 | 6.711 | VV | 593        | 15358  | 0.45% | 0.040% |
| 69 | 6.729 | 6.711 | 6.759 | VV | 437        | 7099   | 0.21% | 0.018% |
| 70 | 6.789 | 6.759 | 6.824 | PV | 3537       | 58753  | 1.73% | 0.152% |
| 71 | 6.832 | 6.824 | 6.852 | VV | 687        | 9870   | 0.29% | 0.026% |
| 72 | 6.873 | 6.852 | 6.899 | VV | 2533       | 34529  | 1.02% | 0.089% |
| 73 | 6.918 | 6.899 | 6.954 | VV | 4168       | 55072  | 1.62% | 0.143% |
| 74 | 6.967 | 6.954 | 7.017 | VV | 506        | 14293  | 0.42% | 0.037% |
| 75 | 7.031 | 7.017 | 7.046 | VV | 530        | 5856   | 0.17% | 0.015% |
| 76 | 7.066 | 7.046 | 7.075 | VV | 653        | 6890   | 0.20% | 0.018% |
| 77 | 7.095 | 7.075 | 7.116 | VV | 2467       | 28301  | 0.83% | 0.073% |
| 78 | 7.127 | 7.116 | 7.146 | VV | 403        | 4769   | 0.14% | 0.012% |
| 79 | 7.165 | 7.146 | 7.192 | VV | 380        | 5762   | 0.17% | 0.015% |
| 80 | 7.216 | 7.192 | 7.234 | VV | 346        | 4489   | 0.13% | 0.012% |
| 81 | 7.264 | 7.234 | 7.294 | VV | 637        | 9731   | 0.29% | 0.025% |
| 82 | 7.309 | 7.294 | 7.322 | VV | 114        | 1748   | 0.05% | 0.005% |
| 83 | 7.329 | 7.322 | 7.341 | VV | 126        | 1501   | 0.04% | 0.004% |
| 84 | 7.508 | 7.482 | 7.542 | VV | 3988       | 102110 | 3.01% | 0.265% |
| 85 | 7.552 | 7.542 | 7.626 | VV | 1912       | 63917  | 1.88% | 0.166% |
| 86 | 7.658 | 7.626 | 7.735 | VV | 1668       | 69054  | 2.03% | 0.179% |
| 87 | 7.778 | 7.735 | 7.831 | VV | 2475       | 65700  | 1.93% | 0.170% |
| 88 | 7.871 | 7.831 | 7.887 | VV | 3945       | 59214  | 1.74% | 0.153% |
| 89 | 7.899 | 7.887 | 7.919 | VV | 2543       | 34680  | 1.02% | 0.090% |

|     |        |        |        |    |            |        |       |        |
|-----|--------|--------|--------|----|------------|--------|-------|--------|
|     |        |        |        |    | rteres.txt |        |       |        |
| 90  | 7.929  | 7.919  | 7.942  | VV | 1219       | 16465  | 0.48% | 0.043% |
| 91  | 7.958  | 7.942  | 7.981  | VV | 3078       | 40505  | 1.19% | 0.105% |
| 92  | 8.015  | 7.981  | 8.086  | VV | 22030      | 334433 | 9.85% | 0.867% |
| 93  | 8.097  | 8.086  | 8.121  | VV | 1526       | 22375  | 0.66% | 0.058% |
| 94  | 8.141  | 8.121  | 8.174  | VV | 1005       | 20636  | 0.61% | 0.053% |
| 95  | 8.188  | 8.174  | 8.216  | VV | 625        | 10828  | 0.32% | 0.028% |
| 96  | 8.398  | 8.377  | 8.444  | VV | 2896       | 92738  | 2.73% | 0.240% |
| 97  | 8.451  | 8.444  | 8.470  | VV | 2030       | 28123  | 0.83% | 0.073% |
| 98  | 8.490  | 8.470  | 8.525  | VV | 3331       | 61879  | 1.82% | 0.160% |
| 99  | 8.539  | 8.525  | 8.571  | VV | 1176       | 27736  | 0.82% | 0.072% |
| 100 | 8.586  | 8.571  | 8.605  | VV | 1376       | 23045  | 0.68% | 0.060% |
| 101 | 8.626  | 8.605  | 8.671  | VV | 1727       | 47311  | 1.39% | 0.123% |
| 102 | 8.690  | 8.671  | 8.735  | VV | 1639       | 40888  | 1.20% | 0.106% |
| 103 | 8.774  | 8.735  | 8.854  | VV | 3459       | 91509  | 2.69% | 0.237% |
| 104 | 8.862  | 8.854  | 8.882  | VV | 547        | 7815   | 0.23% | 0.020% |
| 105 | 8.907  | 8.882  | 8.925  | VV | 1687       | 23648  | 0.70% | 0.061% |
| 106 | 8.963  | 8.925  | 9.012  | VV | 1754       | 51324  | 1.51% | 0.133% |
| 107 | 9.043  | 9.012  | 9.107  | VV | 1401       | 34371  | 1.01% | 0.089% |
| 108 | 9.140  | 9.107  | 9.175  | VV | 1416       | 28434  | 0.84% | 0.074% |
| 109 | 9.203  | 9.175  | 9.254  | VV | 2040       | 42909  | 1.26% | 0.111% |
| 110 | 9.274  | 9.254  | 9.299  | VV | 837        | 13813  | 0.41% | 0.036% |
| 111 | 9.330  | 9.299  | 9.354  | VV | 1024       | 21287  | 0.63% | 0.055% |
| 112 | 9.376  | 9.354  | 9.400  | VV | 565        | 12907  | 0.38% | 0.033% |
| 113 | 9.451  | 9.400  | 9.522  | VV | 1112       | 52081  | 1.53% | 0.135% |
| 114 | 9.547  | 9.522  | 9.588  | VV | 3640       | 59240  | 1.74% | 0.153% |
| 115 | 9.608  | 9.588  | 9.675  | VV | 869        | 32019  | 0.94% | 0.083% |
| 116 | 9.709  | 9.675  | 9.756  | VV | 443        | 13015  | 0.38% | 0.034% |
| 117 | 9.763  | 9.756  | 9.772  | VV | 191        | 1349   | 0.04% | 0.003% |
| 118 | 9.780  | 9.772  | 9.799  | VV | 271        | 2427   | 0.07% | 0.006% |
| 119 | 9.826  | 9.799  | 9.839  | PV | 228        | 3036   | 0.09% | 0.008% |
| 120 | 9.862  | 9.839  | 9.879  | VV | 458        | 6895   | 0.20% | 0.018% |
| 121 | 9.931  | 9.879  | 9.959  | VV | 1176       | 25465  | 0.75% | 0.066% |
| 122 | 9.984  | 9.959  | 10.034 | VV | 856        | 26873  | 0.79% | 0.070% |
| 123 | 10.046 | 10.034 | 10.060 | VV | 616        | 7474   | 0.22% | 0.019% |
| 124 | 10.072 | 10.060 | 10.093 | VV | 596        | 7937   | 0.23% | 0.021% |
| 125 | 10.116 | 10.093 | 10.146 | VV | 776        | 17348  | 0.51% | 0.045% |
| 126 | 10.203 | 10.146 | 10.222 | VV | 1233       | 33946  | 1.00% | 0.088% |
| 127 | 10.281 | 10.222 | 10.306 | VV | 4286       | 83927  | 2.47% | 0.217% |
| 128 | 10.352 | 10.306 | 10.409 | VV | 3741       | 94100  | 2.77% | 0.244% |
| 129 | 10.416 | 10.409 | 10.434 | VV | 691        | 8536   | 0.25% | 0.022% |
| 130 | 10.457 | 10.434 | 10.487 | VV | 737        | 17577  | 0.52% | 0.046% |
| 131 | 10.515 | 10.487 | 10.566 | VV | 5095       | 94902  | 2.79% | 0.246% |
| 132 | 10.598 | 10.566 | 10.639 | VV | 2117       | 56493  | 1.66% | 0.146% |
| 133 | 10.649 | 10.639 | 10.687 | VV | 992        | 22370  | 0.66% | 0.058% |
| 134 | 10.695 | 10.687 | 10.716 | VV | 483        | 7127   | 0.21% | 0.018% |
| 135 | 10.732 | 10.716 | 10.749 | VV | 492        | 6686   | 0.20% | 0.017% |
| 136 | 10.783 | 10.749 | 10.799 | VV | 299        | 6710   | 0.20% | 0.017% |
| 137 | 10.830 | 10.799 | 10.857 | VV | 825        | 21831  | 0.64% | 0.057% |
| 138 | 10.861 | 10.857 | 10.872 | VV | 579        | 4826   | 0.14% | 0.013% |
| 139 | 10.909 | 10.872 | 10.937 | VV | 1059       | 25068  | 0.74% | 0.065% |
| 140 | 10.951 | 10.937 | 10.959 | VV | 747        | 8125   | 0.24% | 0.021% |
| 141 | 10.979 | 10.959 | 11.017 | VV | 2639       | 40300  | 1.19% | 0.104% |

| rteres.txt |        |        |        |    |        |         |         |        |
|------------|--------|--------|--------|----|--------|---------|---------|--------|
| 142        | 11.063 | 11.017 | 11.094 | VV | 955    | 29564   | 0.87%   | 0.077% |
| 143        | 11.112 | 11.094 | 11.129 | VV | 534    | 6884    | 0.20%   | 0.018% |
| 144        | 11.162 | 11.129 | 11.187 | VV | 566    | 15265   | 0.45%   | 0.040% |
| 145        | 11.205 | 11.187 | 11.229 | VV | 328    | 4702    | 0.14%   | 0.012% |
| 146        | 11.277 | 11.229 | 11.327 | PV | 308230 | 3396823 | 100.00% | 8.802% |
| 147        | 11.344 | 11.327 | 11.369 | VV | 2961   | 53709   | 1.58%   | 0.139% |
| 148        | 11.385 | 11.369 | 11.402 | VV | 2192   | 36961   | 1.09%   | 0.096% |
| 149        | 11.418 | 11.402 | 11.439 | VV | 2807   | 46318   | 1.36%   | 0.120% |
| 150        | 11.458 | 11.439 | 11.469 | VV | 2963   | 42056   | 1.24%   | 0.109% |
| 151        | 11.485 | 11.469 | 11.547 | VV | 3445   | 73511   | 2.16%   | 0.190% |
| 152        | 11.566 | 11.547 | 11.579 | VV | 394    | 5911    | 0.17%   | 0.015% |
| 153        | 11.645 | 11.579 | 11.669 | VV | 2878   | 51259   | 1.51%   | 0.133% |
| 154        | 11.703 | 11.669 | 11.732 | VV | 1733   | 38398   | 1.13%   | 0.099% |
| 155        | 11.742 | 11.732 | 11.765 | VV | 1053   | 15667   | 0.46%   | 0.041% |
| 156        | 11.789 | 11.765 | 11.829 | VV | 1253   | 30005   | 0.88%   | 0.078% |
| 157        | 11.844 | 11.829 | 11.886 | VV | 654    | 15271   | 0.45%   | 0.040% |
| 158        | 11.917 | 11.886 | 11.949 | PV | 876    | 20764   | 0.61%   | 0.054% |
| 159        | 11.975 | 11.949 | 12.009 | VV | 805    | 23893   | 0.70%   | 0.062% |
| 160        | 12.075 | 12.009 | 12.089 | VV | 2566   | 54801   | 1.61%   | 0.142% |
| 161        | 12.104 | 12.089 | 12.148 | VV | 1882   | 44270   | 1.30%   | 0.115% |
| 162        | 12.194 | 12.148 | 12.224 | VV | 4335   | 100081  | 2.95%   | 0.259% |
| 163        | 12.241 | 12.224 | 12.252 | VV | 1718   | 22402   | 0.66%   | 0.058% |
| 164        | 12.278 | 12.252 | 12.294 | VV | 3051   | 49008   | 1.44%   | 0.127% |
| 165        | 12.314 | 12.294 | 12.386 | VV | 17169  | 260620  | 7.67%   | 0.675% |
| 166        | 12.409 | 12.386 | 12.437 | VV | 891    | 19463   | 0.57%   | 0.050% |
| 167        | 12.503 | 12.437 | 12.519 | VV | 1033   | 36544   | 1.08%   | 0.095% |
| 168        | 12.551 | 12.519 | 12.583 | VV | 1241   | 37217   | 1.10%   | 0.096% |
| 169        | 12.607 | 12.583 | 12.662 | VV | 14739  | 220158  | 6.48%   | 0.570% |
| 170        | 12.670 | 12.662 | 12.687 | VV | 1357   | 15835   | 0.47%   | 0.041% |
| 171        | 12.720 | 12.687 | 12.779 | VV | 203088 | 2511978 | 73.95%  | 6.509% |
| 172        | 12.790 | 12.779 | 12.854 | VV | 1788   | 43025   | 1.27%   | 0.111% |
| 173        | 12.890 | 12.854 | 12.922 | VV | 3260   | 52179   | 1.54%   | 0.135% |
| 174        | 12.946 | 12.922 | 12.992 | VV | 1193   | 22006   | 0.65%   | 0.057% |
| 175        | 13.010 | 12.992 | 13.026 | VV | 670    | 9687    | 0.29%   | 0.025% |
| 176        | 13.041 | 13.026 | 13.052 | VV | 777    | 10686   | 0.31%   | 0.028% |
| 177        | 13.071 | 13.052 | 13.106 | VV | 1459   | 31745   | 0.93%   | 0.082% |
| 178        | 13.113 | 13.106 | 13.128 | VV | 661    | 8161    | 0.24%   | 0.021% |
| 179        | 13.203 | 13.128 | 13.251 | VV | 2665   | 98350   | 2.90%   | 0.255% |
| 180        | 13.269 | 13.251 | 13.286 | VV | 848    | 14832   | 0.44%   | 0.038% |
| 181        | 13.312 | 13.286 | 13.326 | VV | 1932   | 30208   | 0.89%   | 0.078% |
| 182        | 13.344 | 13.326 | 13.367 | VV | 2540   | 40720   | 1.20%   | 0.106% |
| 183        | 13.380 | 13.367 | 13.401 | VV | 1222   | 20346   | 0.60%   | 0.053% |
| 184        | 13.426 | 13.401 | 13.447 | VV | 1577   | 30803   | 0.91%   | 0.080% |
| 185        | 13.472 | 13.447 | 13.502 | VV | 4000   | 72668   | 2.14%   | 0.188% |
| 186        | 13.514 | 13.502 | 13.537 | VV | 1487   | 21195   | 0.62%   | 0.055% |
| 187        | 13.546 | 13.537 | 13.566 | VV | 515    | 8167    | 0.24%   | 0.021% |
| 188        | 13.573 | 13.566 | 13.599 | VV | 417    | 7254    | 0.21%   | 0.019% |
| 189        | 13.609 | 13.599 | 13.629 | VV | 371    | 5144    | 0.15%   | 0.013% |
| 190        | 13.660 | 13.629 | 13.675 | VV | 525    | 11473   | 0.34%   | 0.030% |
| 191        | 13.693 | 13.675 | 13.751 | VV | 586    | 14424   | 0.42%   | 0.037% |
| 192        | 13.786 | 13.751 | 13.796 | PV | 456    | 7429    | 0.22%   | 0.019% |
| 193        | 13.833 | 13.796 | 13.849 | VV | 834    | 19309   | 0.57%   | 0.050% |
| 194        | 13.900 | 13.849 | 13.922 | VV | 1985   | 60038   | 1.77%   | 0.156% |

|     |        |        |        |    |            |        |        |        |
|-----|--------|--------|--------|----|------------|--------|--------|--------|
|     |        |        |        |    | rteres.txt |        |        |        |
| 195 | 13.951 | 13.922 | 13.997 | VV | 2778       | 68500  | 2.02%  | 0.177% |
| 196 | 14.031 | 13.997 | 14.081 | VV | 2731       | 71186  | 2.10%  | 0.184% |
| 197 | 14.116 | 14.081 | 14.149 | VV | 2644       | 67358  | 1.98%  | 0.175% |
| 198 | 14.170 | 14.149 | 14.214 | VV | 3603       | 68676  | 2.02%  | 0.178% |
| 199 | 14.261 | 14.214 | 14.315 | VV | 1699       | 63515  | 1.87%  | 0.165% |
| 200 | 14.324 | 14.315 | 14.342 | VV | 586        | 8197   | 0.24%  | 0.021% |
| 201 | 14.356 | 14.342 | 14.389 | VV | 648        | 13716  | 0.40%  | 0.036% |
| 202 | 14.401 | 14.389 | 14.422 | VV | 711        | 9510   | 0.28%  | 0.025% |
| 203 | 14.436 | 14.422 | 14.450 | VV | 760        | 10779  | 0.32%  | 0.028% |
| 204 | 14.520 | 14.450 | 14.553 | VV | 11355      | 336623 | 9.91%  | 0.872% |
| 205 | 14.567 | 14.553 | 14.597 | VV | 2609       | 51285  | 1.51%  | 0.133% |
| 206 | 14.613 | 14.597 | 14.624 | VV | 1928       | 23631  | 0.70%  | 0.061% |
| 207 | 14.636 | 14.624 | 14.657 | VV | 1783       | 27013  | 0.80%  | 0.070% |
| 208 | 14.679 | 14.657 | 14.706 | VV | 1392       | 29829  | 0.88%  | 0.077% |
| 209 | 14.723 | 14.706 | 14.744 | VV | 987        | 17709  | 0.52%  | 0.046% |
| 210 | 14.768 | 14.744 | 14.781 | VV | 1283       | 20716  | 0.61%  | 0.054% |
| 211 | 14.822 | 14.781 | 14.852 | VV | 1480       | 50768  | 1.49%  | 0.132% |
| 212 | 14.866 | 14.852 | 14.906 | VV | 1211       | 22805  | 0.67%  | 0.059% |
| 213 | 14.945 | 14.906 | 15.064 | VV | 19831      | 507269 | 14.93% | 1.314% |
| 214 | 15.086 | 15.064 | 15.115 | VV | 3268       | 62884  | 1.85%  | 0.163% |
| 215 | 15.153 | 15.115 | 15.176 | VV | 3832       | 97029  | 2.86%  | 0.251% |
| 216 | 15.189 | 15.176 | 15.239 | VV | 2122       | 47947  | 1.41%  | 0.124% |
| 217 | 15.289 | 15.239 | 15.301 | VV | 1240       | 32730  | 0.96%  | 0.085% |
| 218 | 15.318 | 15.301 | 15.352 | VV | 1721       | 38365  | 1.13%  | 0.099% |
| 219 | 15.382 | 15.352 | 15.431 | VV | 2221       | 48489  | 1.43%  | 0.126% |
| 220 | 15.444 | 15.431 | 15.456 | VV | 644        | 8473   | 0.25%  | 0.022% |
| 221 | 15.480 | 15.456 | 15.525 | VV | 1057       | 27014  | 0.80%  | 0.070% |
| 222 | 15.584 | 15.525 | 15.621 | VV | 2694       | 51907  | 1.53%  | 0.134% |
| 223 | 15.640 | 15.621 | 15.688 | VV | 653        | 14749  | 0.43%  | 0.038% |
| 224 | 15.754 | 15.688 | 15.774 | PV | 1251       | 29944  | 0.88%  | 0.078% |
| 225 | 15.788 | 15.774 | 15.807 | VV | 913        | 15257  | 0.45%  | 0.040% |
| 226 | 15.839 | 15.807 | 15.882 | VV | 1197       | 40750  | 1.20%  | 0.106% |
| 227 | 15.898 | 15.882 | 15.927 | VV | 1485       | 27921  | 0.82%  | 0.072% |
| 228 | 15.957 | 15.927 | 15.979 | VV | 2743       | 54916  | 1.62%  | 0.142% |
| 229 | 16.030 | 15.979 | 16.050 | VV | 14932      | 255672 | 7.53%  | 0.662% |
| 230 | 16.062 | 16.050 | 16.101 | VV | 8168       | 139114 | 4.10%  | 0.360% |
| 231 | 16.117 | 16.101 | 16.142 | VV | 1496       | 31912  | 0.94%  | 0.083% |
| 232 | 16.163 | 16.142 | 16.177 | VV | 2240       | 35900  | 1.06%  | 0.093% |
| 233 | 16.194 | 16.177 | 16.267 | VV | 3008       | 73290  | 2.16%  | 0.190% |
| 234 | 16.321 | 16.267 | 16.332 | VV | 4994       | 78941  | 2.32%  | 0.205% |
| 235 | 16.348 | 16.332 | 16.391 | VV | 8063       | 146660 | 4.32%  | 0.380% |
| 236 | 16.412 | 16.391 | 16.462 | VV | 5670       | 128681 | 3.79%  | 0.333% |
| 237 | 16.526 | 16.462 | 16.549 | VV | 5219       | 129447 | 3.81%  | 0.335% |
| 238 | 16.572 | 16.549 | 16.596 | VV | 5652       | 91710  | 2.70%  | 0.238% |
| 239 | 16.608 | 16.596 | 16.632 | VV | 1884       | 35231  | 1.04%  | 0.091% |
| 240 | 16.655 | 16.632 | 16.679 | VV | 1771       | 42004  | 1.24%  | 0.109% |
| 241 | 16.686 | 16.679 | 16.704 | VV | 1526       | 20507  | 0.60%  | 0.053% |
| 242 | 16.724 | 16.704 | 16.752 | VV | 1700       | 42961  | 1.26%  | 0.111% |
| 243 | 16.784 | 16.752 | 16.796 | VV | 1798       | 40634  | 1.20%  | 0.105% |
| 244 | 16.819 | 16.796 | 16.854 | VV | 1813       | 49319  | 1.45%  | 0.128% |
| 245 | 16.903 | 16.854 | 16.951 | VV | 2905       | 108701 | 3.20%  | 0.282% |
| 246 | 16.975 | 16.951 | 17.017 | VV | 5502       | 115542 | 3.40%  | 0.299% |

| rteres.txt |        |        |        |    |       |        |        |        |
|------------|--------|--------|--------|----|-------|--------|--------|--------|
| 247        | 17.070 | 17.017 | 17.092 | VV | 2206  | 77195  | 2.27%  | 0.200% |
| 248        | 17.110 | 17.092 | 17.127 | VV | 1766  | 31946  | 0.94%  | 0.083% |
| 249        | 17.138 | 17.127 | 17.162 | VV | 1434  | 26274  | 0.77%  | 0.068% |
| 250        | 17.180 | 17.162 | 17.209 | VV | 1323  | 32383  | 0.95%  | 0.084% |
|            |        |        |        |    |       |        |        |        |
| 251        | 17.230 | 17.209 | 17.254 | VV | 1797  | 38496  | 1.13%  | 0.100% |
| 252        | 17.280 | 17.254 | 17.327 | VV | 1703  | 60712  | 1.79%  | 0.157% |
| 253        | 17.363 | 17.327 | 17.385 | VV | 2651  | 69944  | 2.06%  | 0.181% |
| 254        | 17.412 | 17.385 | 17.439 | VV | 5239  | 108070 | 3.18%  | 0.280% |
| 255        | 17.450 | 17.439 | 17.467 | VV | 2116  | 31927  | 0.94%  | 0.083% |
|            |        |        |        |    |       |        |        |        |
| 256        | 17.501 | 17.467 | 17.536 | VV | 4552  | 124654 | 3.67%  | 0.323% |
| 257        | 17.541 | 17.536 | 17.562 | VV | 2696  | 39743  | 1.17%  | 0.103% |
| 258        | 17.610 | 17.562 | 17.652 | VV | 3191  | 125231 | 3.69%  | 0.324% |
| 259        | 17.694 | 17.652 | 17.739 | VV | 4813  | 172113 | 5.07%  | 0.446% |
| 260        | 17.772 | 17.739 | 17.811 | VV | 12862 | 362406 | 10.67% | 0.939% |
|            |        |        |        |    |       |        |        |        |
| 261        | 17.832 | 17.811 | 17.871 | VV | 8842  | 214855 | 6.33%  | 0.557% |
| 262        | 17.880 | 17.871 | 17.899 | VV | 4209  | 64964  | 1.91%  | 0.168% |
| 263        | 17.921 | 17.899 | 17.991 | VV | 4715  | 203292 | 5.98%  | 0.527% |
| 264        | 18.030 | 17.991 | 18.064 | VV | 6816  | 188193 | 5.54%  | 0.488% |
| 265        | 18.098 | 18.064 | 18.130 | VV | 4963  | 144701 | 4.26%  | 0.375% |
|            |        |        |        |    |       |        |        |        |
| 266        | 18.144 | 18.130 | 18.156 | VV | 2758  | 41430  | 1.22%  | 0.107% |
| 267        | 18.173 | 18.156 | 18.181 | VV | 3344  | 44887  | 1.32%  | 0.116% |
| 268        | 18.190 | 18.181 | 18.199 | VV | 3325  | 33837  | 1.00%  | 0.088% |
| 269        | 18.234 | 18.199 | 18.286 | VV | 9051  | 261478 | 7.70%  | 0.678% |
| 270        | 18.338 | 18.286 | 18.396 | VV | 5978  | 279454 | 8.23%  | 0.724% |
|            |        |        |        |    |       |        |        |        |
| 271        | 18.404 | 18.396 | 18.414 | VV | 3430  | 36156  | 1.06%  | 0.094% |
| 272        | 18.433 | 18.414 | 18.461 | VV | 3489  | 92600  | 2.73%  | 0.240% |
| 273        | 18.484 | 18.461 | 18.513 | VV | 3919  | 114941 | 3.38%  | 0.298% |
| 274        | 18.592 | 18.513 | 18.624 | VV | 9040  | 418862 | 12.33% | 1.085% |
| 275        | 18.634 | 18.624 | 18.708 | VV | 8628  | 331578 | 9.76%  | 0.859% |
|            |        |        |        |    |       |        |        |        |
| 276        | 18.728 | 18.708 | 18.786 | VV | 6157  | 245940 | 7.24%  | 0.637% |
| 277        | 18.823 | 18.786 | 18.862 | VV | 6559  | 254530 | 7.49%  | 0.660% |
| 278        | 18.897 | 18.862 | 18.947 | VV | 6481  | 273114 | 8.04%  | 0.708% |
| 279        | 19.022 | 18.947 | 19.034 | VV | 8010  | 311250 | 9.16%  | 0.806% |
| 280        | 19.052 | 19.034 | 19.081 | VV | 9297  | 213631 | 6.29%  | 0.554% |
|            |        |        |        |    |       |        |        |        |
| 281        | 19.128 | 19.081 | 19.153 | VV | 7065  | 285977 | 8.42%  | 0.741% |
| 282        | 19.163 | 19.153 | 19.181 | VV | 7086  | 112564 | 3.31%  | 0.292% |
| 283        | 19.206 | 19.181 | 19.234 | VV | 7732  | 228430 | 6.72%  | 0.592% |
| 284        | 19.277 | 19.234 | 19.301 | VV | 8210  | 304115 | 8.95%  | 0.788% |
| 285        | 19.333 | 19.301 | 19.359 | VV | 9279  | 298472 | 8.79%  | 0.773% |
|            |        |        |        |    |       |        |        |        |
| 286        | 19.394 | 19.359 | 19.444 | VV | 9684  | 439528 | 12.94% | 1.139% |
| 287        | 19.449 | 19.444 | 19.464 | VV | 8035  | 94214  | 2.77%  | 0.244% |
| 288        | 19.518 | 19.464 | 19.531 | VV | 8663  | 333465 | 9.82%  | 0.864% |
| 289        | 19.595 | 19.531 | 19.607 | VV | 10290 | 444157 | 13.08% | 1.151% |
| 290        | 19.623 | 19.607 | 19.646 | VV | 10965 | 239491 | 7.05%  | 0.621% |
|            |        |        |        |    |       |        |        |        |
| 291        | 19.658 | 19.646 | 19.682 | VV | 10114 | 214499 | 6.31%  | 0.556% |
| 292        | 19.756 | 19.682 | 19.787 | VV | 11923 | 676553 | 19.92% | 1.753% |
| 293        | 19.815 | 19.787 | 19.836 | VV | 11719 | 337983 | 9.95%  | 0.876% |
| 294        | 19.899 | 19.836 | 19.928 | VV | 15127 | 697868 | 20.54% | 1.808% |
| 295        | 19.986 | 19.928 | 19.992 | VV | 12421 | 468622 | 13.80% | 1.214% |
|            |        |        |        |    |       |        |        |        |
| 296        | 20.018 | 19.992 | 20.027 | VV | 13030 | 267873 | 7.89%  | 0.694% |
| 297        | 20.059 | 20.027 | 20.074 | VV | 13383 | 371398 | 10.93% | 0.962% |
| 298        | 20.116 | 20.074 | 20.155 | VV | 15170 | 701613 | 20.65% | 1.818% |
| 299        | 20.215 | 20.155 | 20.225 | VV | 15355 | 625163 | 18.40% | 1.620% |

|     |        |        |        |     |                         |         |          |        |
|-----|--------|--------|--------|-----|-------------------------|---------|----------|--------|
|     |        |        |        |     | rteres.txt              |         |          |        |
| 300 | 20.278 | 20.225 | 20.307 | VV  | 16719                   | 776814  | 22.87%   | 2.013% |
| 301 | 20.459 | 20.307 | 20.521 | VV  | 19056                   | 2220834 | 65.38%   | 5.754% |
| 302 | 20.534 | 20.521 | 20.544 | VV  | 17227                   | 236617  | 6.97%    | 0.613% |
| 303 | 20.646 | 20.544 | 20.691 | VV  | 17833                   | 1541675 | 45.39%   | 3.995% |
| 304 | 20.693 | 20.691 | 20.721 | VV  | 17538                   | 319065  | 9.39%    | 0.827% |
| 305 | 20.750 | 20.721 | 20.799 | VV  | 17825                   | 806645  | 23.75%   | 2.090% |
| 306 | 20.831 | 20.799 | 20.886 | VV  | 17887                   | 890195  | 26.21%   | 2.307% |
| 307 | 20.895 | 20.886 | 20.916 | VV  | 16543                   | 299692  | 8.82%    | 0.777% |
| 308 | 20.949 | 20.916 | 20.979 | VV  | 16659                   | 623075  | 18.34%   | 1.614% |
| 309 | 21.004 | 20.979 | 21.042 | VV  | 16451                   | 615802  | 18.13%   | 1.596% |
| 310 | 21.054 | 21.042 | 21.092 | VV  | 16255                   | 475843  | 14.01%   | 1.233% |
| 311 | 21.103 | 21.092 | 21.144 | VV  | 16089                   | 498646  | 14.68%   | 1.292% |
| 312 | 21.192 | 21.144 | 21.221 | VV  | 15873                   | 724656  | 21.33%   | 1.878% |
| 313 | 21.262 | 21.221 | 21.289 | VV  | 16457                   | 654097  | 19.26%   | 1.695% |
| 314 | 21.307 | 21.289 | 21.351 | VBA | 16029                   | 598985  | 17.63%   | 1.552% |
|     |        |        |        |     | Sum of corrected areas: |         | 38593090 |        |

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