

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC100118AL\  
 Data File : FC036615.D  
 Signal(s) : FID1A.CH  
 Acq On : 02 Oct 2018 3:46  
 Sample : J4777-37DL 10X  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\PESTPCBSRV\HPCHEM1\FID\_C\Method\Alaphatic EPH 092118.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         | 3.209       | 3.152        | 3.262      | BV       | 326            | 8768         | 0.23%          | 0.017%        |
| 2         | 3.312       | 3.301        | 3.329      | VV       | 82             | 1820         | 0.05%          | 0.004%        |
| 3         | 3.335       | 3.329        | 3.353      | VV       | 142            | 1626         | 0.04%          | 0.003%        |
| 4         | 3.389       | 3.353        | 3.416      | PV       | 228            | 4839         | 0.12%          | 0.010%        |
| 5         | 3.425       | 3.416        | 3.437      | VV       | 260            | 1376         | 0.04%          | 0.003%        |
| 6         | 3.457       | 3.437        | 3.507      | VV       | 455            | 7818         | 0.20%          | 0.016%        |
| 7         | 3.521       | 3.507        | 3.543      | VV       | 270            | 3800         | 0.10%          | 0.008%        |
| 8         | 3.567       | 3.543        | 3.607      | VV       | 500            | 11523        | 0.30%          | 0.023%        |
| 9         | 3.635       | 3.607        | 3.664      | VV       | 620            | 9390         | 0.24%          | 0.019%        |
| 10        | 3.681       | 3.664        | 3.711      | VV       | 343            | 4972         | 0.13%          | 0.010%        |
| 11        | 3.726       | 3.711        | 3.749      | VV       | 661            | 6880         | 0.18%          | 0.014%        |
| 12        | 3.773       | 3.749        | 3.829      | VV       | 515            | 14294        | 0.37%          | 0.028%        |
| 13        | 3.859       | 3.829        | 3.872      | VV       | 468            | 7858         | 0.20%          | 0.016%        |
| 14        | 3.886       | 3.872        | 3.906      | VV       | 471            | 6599         | 0.17%          | 0.013%        |
| 15        | 3.918       | 3.906        | 3.936      | VV       | 585            | 6082         | 0.16%          | 0.012%        |
| 16        | 3.950       | 3.936        | 3.980      | VV       | 445            | 7311         | 0.19%          | 0.015%        |
| 17        | 4.034       | 3.980        | 4.046      | VV       | 521            | 12192        | 0.31%          | 0.024%        |
| 18        | 4.060       | 4.046        | 4.089      | VV       | 537            | 9905         | 0.25%          | 0.020%        |
| 19        | 4.097       | 4.089        | 4.127      | VV       | 373            | 5735         | 0.15%          | 0.011%        |
| 20        | 4.168       | 4.127        | 4.189      | PV       | 777            | 10466        | 0.27%          | 0.021%        |
| 21        | 4.210       | 4.189        | 4.232      | VV       | 440            | 8406         | 0.22%          | 0.017%        |
| 22        | 4.257       | 4.232        | 4.282      | VV       | 611            | 11733        | 0.30%          | 0.023%        |
| 23        | 4.294       | 4.282        | 4.307      | VV       | 426            | 5163         | 0.13%          | 0.010%        |
| 24        | 4.325       | 4.307        | 4.357      | VV       | 545            | 10301        | 0.26%          | 0.021%        |
| 25        | 4.369       | 4.357        | 4.386      | VV       | 216            | 3359         | 0.09%          | 0.007%        |
| 26        | 4.414       | 4.386        | 4.434      | VV       | 602            | 11507        | 0.30%          | 0.023%        |
| 27        | 4.452       | 4.434        | 4.466      | VV       | 966            | 12867        | 0.33%          | 0.026%        |
| 28        | 4.476       | 4.466        | 4.495      | VV       | 745            | 9679         | 0.25%          | 0.019%        |
| 29        | 4.511       | 4.495        | 4.524      | VV       | 1178           | 12627        | 0.32%          | 0.025%        |
| 30        | 4.534       | 4.524        | 4.548      | VV       | 792            | 8590         | 0.22%          | 0.017%        |
| 31        | 4.561       | 4.548        | 4.572      | VV       | 631            | 7538         | 0.19%          | 0.015%        |
| 32        | 4.582       | 4.572        | 4.600      | VV       | 738            | 8621         | 0.22%          | 0.017%        |
| 33        | 4.627       | 4.600        | 4.642      | VV       | 815            | 12567        | 0.32%          | 0.025%        |
| 34        | 4.659       | 4.642        | 4.691      | VV       | 954            | 18650        | 0.48%          | 0.037%        |
| 35        | 4.722       | 4.691        | 4.755      | VV       | 1700           | 29515        | 0.76%          | 0.059%        |
| 36        | 4.776       | 4.755        | 4.794      | VV       | 517            | 9093         | 0.23%          | 0.018%        |

| rteres.txt |       |       |       |    |      |        |       |        |
|------------|-------|-------|-------|----|------|--------|-------|--------|
| 37         | 4.813 | 4.794 | 4.837 | VV | 559  | 8773   | 0.23% | 0.017% |
| 38         | 4.893 | 4.837 | 4.924 | VV | 908  | 27258  | 0.70% | 0.054% |
| 39         | 4.941 | 4.924 | 4.953 | VV | 898  | 10922  | 0.28% | 0.022% |
| 40         | 4.968 | 4.953 | 4.980 | VV | 1408 | 14954  | 0.38% | 0.030% |
| 41         | 4.990 | 4.980 | 5.035 | VV | 937  | 20868  | 0.54% | 0.042% |
| 42         | 5.056 | 5.035 | 5.073 | VV | 558  | 9032   | 0.23% | 0.018% |
| 43         | 5.091 | 5.073 | 5.106 | VV | 1043 | 14165  | 0.36% | 0.028% |
| 44         | 5.114 | 5.106 | 5.122 | VV | 637  | 5857   | 0.15% | 0.012% |
| 45         | 5.150 | 5.122 | 5.160 | VV | 993  | 17142  | 0.44% | 0.034% |
| 46         | 5.176 | 5.160 | 5.192 | VV | 1593 | 21315  | 0.55% | 0.042% |
| 47         | 5.208 | 5.192 | 5.255 | VV | 1087 | 30101  | 0.77% | 0.060% |
| 48         | 5.308 | 5.255 | 5.330 | VV | 2843 | 59278  | 1.52% | 0.118% |
| 49         | 5.340 | 5.330 | 5.354 | VV | 1150 | 13525  | 0.35% | 0.027% |
| 50         | 5.363 | 5.354 | 5.397 | VV | 939  | 17538  | 0.45% | 0.035% |
| 51         | 5.412 | 5.397 | 5.426 | VV | 813  | 11628  | 0.30% | 0.023% |
| 52         | 5.467 | 5.426 | 5.515 | VV | 3701 | 73492  | 1.89% | 0.146% |
| 53         | 5.541 | 5.515 | 5.557 | VV | 1155 | 24200  | 0.62% | 0.048% |
| 54         | 5.582 | 5.557 | 5.630 | VV | 2083 | 58565  | 1.51% | 0.117% |
| 55         | 5.656 | 5.630 | 5.669 | VV | 1144 | 24280  | 0.62% | 0.048% |
| 56         | 5.697 | 5.669 | 5.722 | VV | 1455 | 33877  | 0.87% | 0.067% |
| 57         | 5.744 | 5.722 | 5.763 | VV | 1841 | 28127  | 0.72% | 0.056% |
| 58         | 5.794 | 5.763 | 5.816 | VV | 2620 | 50971  | 1.31% | 0.102% |
| 59         | 5.848 | 5.816 | 5.864 | VV | 1635 | 42101  | 1.08% | 0.084% |
| 60         | 5.883 | 5.864 | 5.904 | VV | 1969 | 36673  | 0.94% | 0.073% |
| 61         | 5.930 | 5.904 | 5.951 | VV | 2687 | 49044  | 1.26% | 0.098% |
| 62         | 5.971 | 5.951 | 5.986 | VV | 2299 | 38678  | 0.99% | 0.077% |
| 63         | 6.017 | 5.986 | 6.036 | VV | 2211 | 57630  | 1.48% | 0.115% |
| 64         | 6.072 | 6.036 | 6.089 | VV | 2375 | 59350  | 1.53% | 0.118% |
| 65         | 6.103 | 6.089 | 6.129 | VV | 2112 | 41935  | 1.08% | 0.084% |
| 66         | 6.148 | 6.129 | 6.167 | VV | 2640 | 46178  | 1.19% | 0.092% |
| 67         | 6.191 | 6.167 | 6.204 | VV | 2502 | 48751  | 1.25% | 0.097% |
| 68         | 6.216 | 6.204 | 6.256 | VV | 2786 | 67023  | 1.72% | 0.134% |
| 69         | 6.269 | 6.256 | 6.296 | VV | 2502 | 50024  | 1.29% | 0.100% |
| 70         | 6.305 | 6.296 | 6.321 | VV | 2128 | 25510  | 0.66% | 0.051% |
| 71         | 6.354 | 6.321 | 6.376 | VV | 2256 | 57459  | 1.48% | 0.114% |
| 72         | 6.393 | 6.376 | 6.402 | VV | 2680 | 35835  | 0.92% | 0.071% |
| 73         | 6.418 | 6.402 | 6.440 | VV | 4603 | 74356  | 1.91% | 0.148% |
| 74         | 6.453 | 6.440 | 6.476 | VV | 3734 | 59630  | 1.53% | 0.119% |
| 75         | 6.488 | 6.476 | 6.501 | VV | 2091 | 26264  | 0.68% | 0.052% |
| 76         | 6.523 | 6.501 | 6.535 | VV | 2351 | 42524  | 1.09% | 0.085% |
| 77         | 6.543 | 6.535 | 6.560 | VV | 2161 | 30521  | 0.79% | 0.061% |
| 78         | 6.585 | 6.560 | 6.612 | VV | 3370 | 77429  | 1.99% | 0.154% |
| 79         | 6.621 | 6.612 | 6.633 | VV | 2044 | 23215  | 0.60% | 0.046% |
| 80         | 6.656 | 6.633 | 6.697 | VV | 2771 | 81649  | 2.10% | 0.163% |
| 81         | 6.721 | 6.697 | 6.739 | VV | 2908 | 60786  | 1.56% | 0.121% |
| 82         | 6.763 | 6.739 | 6.771 | VV | 3357 | 54021  | 1.39% | 0.108% |
| 83         | 6.785 | 6.771 | 6.802 | VV | 3746 | 57841  | 1.49% | 0.115% |
| 84         | 6.823 | 6.802 | 6.848 | VV | 4326 | 84184  | 2.17% | 0.168% |
| 85         | 6.876 | 6.848 | 6.894 | VV | 3446 | 75218  | 1.93% | 0.150% |
| 86         | 6.924 | 6.894 | 6.944 | VV | 2910 | 75965  | 1.95% | 0.151% |
| 87         | 6.968 | 6.944 | 7.004 | VV | 4656 | 116836 | 3.01% | 0.233% |
| 88         | 7.023 | 7.004 | 7.042 | VV | 3369 | 64729  | 1.66% | 0.129% |
| 89         | 7.065 | 7.042 | 7.081 | VV | 3612 | 65412  | 1.68% | 0.130% |

|     |       |       |       |    |            |        |       |        |
|-----|-------|-------|-------|----|------------|--------|-------|--------|
|     |       |       |       |    | rteres.txt |        |       |        |
| 90  | 7.089 | 7.081 | 7.117 | VV | 2595       | 51105  | 1.31% | 0.102% |
| 91  | 7.149 | 7.117 | 7.169 | VV | 3249       | 84115  | 2.16% | 0.168% |
| 92  | 7.189 | 7.169 | 7.212 | VV | 4887       | 86941  | 2.24% | 0.173% |
| 93  | 7.236 | 7.212 | 7.262 | VV | 2936       | 78375  | 2.02% | 0.156% |
| 94  | 7.273 | 7.262 | 7.302 | VV | 2913       | 61509  | 1.58% | 0.123% |
| 95  | 7.317 | 7.302 | 7.332 | VV | 2908       | 46110  | 1.19% | 0.092% |
| 96  | 7.360 | 7.332 | 7.388 | VV | 5077       | 112542 | 2.89% | 0.224% |
| 97  | 7.404 | 7.388 | 7.424 | VV | 2760       | 49886  | 1.28% | 0.099% |
| 98  | 7.551 | 7.539 | 7.577 | VV | 3752       | 79982  | 2.06% | 0.159% |
| 99  | 7.608 | 7.577 | 7.629 | VV | 4705       | 113955 | 2.93% | 0.227% |
| 100 | 7.644 | 7.629 | 7.682 | VV | 3526       | 98512  | 2.53% | 0.196% |
| 101 | 7.706 | 7.682 | 7.722 | VV | 3327       | 68422  | 1.76% | 0.136% |
| 102 | 7.750 | 7.722 | 7.770 | VV | 3331       | 86777  | 2.23% | 0.173% |
| 103 | 7.807 | 7.770 | 7.831 | VV | 3165       | 97358  | 2.50% | 0.194% |
| 104 | 7.876 | 7.831 | 7.904 | VV | 4355       | 130322 | 3.35% | 0.260% |
| 105 | 7.922 | 7.904 | 7.942 | VV | 3095       | 61146  | 1.57% | 0.122% |
| 106 | 7.969 | 7.942 | 7.986 | VV | 3762       | 77918  | 2.00% | 0.155% |
| 107 | 7.998 | 7.986 | 8.013 | VV | 3031       | 46823  | 1.20% | 0.093% |
| 108 | 8.053 | 8.013 | 8.072 | VV | 4604       | 115995 | 2.98% | 0.231% |
| 109 | 8.108 | 8.072 | 8.132 | VV | 3870       | 107193 | 2.76% | 0.214% |
| 110 | 8.145 | 8.132 | 8.164 | VV | 2977       | 48428  | 1.25% | 0.096% |
| 111 | 8.173 | 8.164 | 8.183 | VV | 2547       | 27767  | 0.71% | 0.055% |
| 112 | 8.203 | 8.183 | 8.221 | VV | 3806       | 64337  | 1.65% | 0.128% |
| 113 | 8.237 | 8.221 | 8.252 | VV | 2190       | 38774  | 1.00% | 0.077% |
| 114 | 8.262 | 8.252 | 8.280 | VV | 2329       | 34619  | 0.89% | 0.069% |
| 115 | 8.298 | 8.280 | 8.311 | VV | 2123       | 36566  | 0.94% | 0.073% |
| 116 | 8.404 | 8.392 | 8.483 | VV | 3473       | 149739 | 3.85% | 0.298% |
| 117 | 8.500 | 8.483 | 8.527 | VV | 3122       | 63819  | 1.64% | 0.127% |
| 118 | 8.541 | 8.527 | 8.548 | VV | 2348       | 27448  | 0.71% | 0.055% |
| 119 | 8.558 | 8.548 | 8.574 | VV | 2402       | 34961  | 0.90% | 0.070% |
| 120 | 8.589 | 8.574 | 8.624 | VV | 2862       | 62961  | 1.62% | 0.125% |
| 121 | 8.637 | 8.624 | 8.654 | VV | 1899       | 31462  | 0.81% | 0.063% |
| 122 | 8.660 | 8.654 | 8.675 | VV | 1778       | 21150  | 0.54% | 0.042% |
| 123 | 8.693 | 8.675 | 8.709 | VV | 1743       | 32719  | 0.84% | 0.065% |
| 124 | 8.731 | 8.709 | 8.747 | VV | 1941       | 39494  | 1.02% | 0.079% |
| 125 | 8.763 | 8.747 | 8.796 | VV | 1931       | 49464  | 1.27% | 0.099% |
| 126 | 8.810 | 8.796 | 8.837 | VV | 1685       | 38190  | 0.98% | 0.076% |
| 127 | 8.873 | 8.837 | 8.931 | VV | 2660       | 94458  | 2.43% | 0.188% |
| 128 | 8.955 | 8.931 | 8.977 | VV | 1324       | 30001  | 0.77% | 0.060% |
| 129 | 9.014 | 8.977 | 9.029 | VV | 1503       | 36708  | 0.94% | 0.073% |
| 130 | 9.059 | 9.029 | 9.106 | VV | 2684       | 69959  | 1.80% | 0.139% |
| 131 | 9.110 | 9.106 | 9.123 | VV | 943        | 9017   | 0.23% | 0.018% |
| 132 | 9.144 | 9.123 | 9.207 | VV | 1078       | 42713  | 1.10% | 0.085% |
| 133 | 9.241 | 9.207 | 9.276 | VV | 1477       | 39794  | 1.02% | 0.079% |
| 134 | 9.304 | 9.276 | 9.365 | VV | 1024       | 40813  | 1.05% | 0.081% |
| 135 | 9.379 | 9.365 | 9.387 | VV | 668        | 7650   | 0.20% | 0.015% |
| 136 | 9.406 | 9.387 | 9.455 | VV | 833        | 23890  | 0.61% | 0.048% |
| 137 | 9.483 | 9.455 | 9.537 | VV | 525        | 18991  | 0.49% | 0.038% |
| 138 | 9.565 | 9.537 | 9.574 | VV | 511        | 9288   | 0.24% | 0.019% |
| 139 | 9.603 | 9.574 | 9.620 | VV | 606        | 13066  | 0.34% | 0.026% |
| 140 | 9.646 | 9.620 | 9.721 | VV | 1364       | 31163  | 0.80% | 0.062% |
| 141 | 9.734 | 9.721 | 9.782 | VV | 307        | 8726   | 0.22% | 0.017% |

|     |        |        |        |    |            |        |       |        |  |
|-----|--------|--------|--------|----|------------|--------|-------|--------|--|
|     |        |        |        |    | rteres.txt |        |       |        |  |
| 142 | 9.805  | 9.782  | 9.853  | VV | 350        | 8480   | 0.22% | 0.017% |  |
| 143 | 9.872  | 9.853  | 9.907  | VV | 236        | 5352   | 0.14% | 0.011% |  |
| 144 | 9.914  | 9.907  | 9.922  | VV | 163        | 1307   | 0.03% | 0.003% |  |
| 145 | 9.932  | 9.922  | 9.947  | VV | 187        | 2271   | 0.06% | 0.005% |  |
| 146 | 9.999  | 9.947  | 10.006 | VV | 347        | 7973   | 0.21% | 0.016% |  |
| 147 | 10.030 | 10.006 | 10.056 | VV | 637        | 12299  | 0.32% | 0.025% |  |
| 148 | 10.079 | 10.056 | 10.089 | VV | 452        | 7436   | 0.19% | 0.015% |  |
| 149 | 10.104 | 10.089 | 10.129 | VV | 500        | 9918   | 0.26% | 0.020% |  |
| 150 | 10.137 | 10.129 | 10.165 | VV | 439        | 7088   | 0.18% | 0.014% |  |
| 151 | 10.176 | 10.165 | 10.194 | VV | 419        | 4467   | 0.11% | 0.009% |  |
| 152 | 10.227 | 10.194 | 10.261 | VV | 364        | 11022  | 0.28% | 0.022% |  |
| 153 | 10.306 | 10.261 | 10.323 | VV | 531        | 13315  | 0.34% | 0.027% |  |
| 154 | 10.379 | 10.323 | 10.414 | VV | 1243       | 34604  | 0.89% | 0.069% |  |
| 155 | 10.460 | 10.414 | 10.502 | VV | 817        | 22896  | 0.59% | 0.046% |  |
| 156 | 10.511 | 10.502 | 10.540 | VV | 249        | 4156   | 0.11% | 0.008% |  |
| 157 | 10.557 | 10.540 | 10.566 | PV | 207        | 2102   | 0.05% | 0.004% |  |
| 158 | 10.619 | 10.566 | 10.667 | VV | 525        | 18267  | 0.47% | 0.036% |  |
| 159 | 10.701 | 10.667 | 10.737 | VV | 372        | 10693  | 0.28% | 0.021% |  |
| 160 | 10.755 | 10.737 | 10.814 | VV | 416        | 9878   | 0.25% | 0.020% |  |
| 161 | 10.844 | 10.814 | 10.889 | VV | 249        | 5900   | 0.15% | 0.012% |  |
| 162 | 10.931 | 10.889 | 10.961 | VV | 279        | 6130   | 0.16% | 0.012% |  |
| 163 | 10.981 | 10.961 | 10.987 | PV | 138        | 1559   | 0.04% | 0.003% |  |
| 164 | 11.013 | 10.987 | 11.032 | VV | 303        | 5170   | 0.13% | 0.010% |  |
| 165 | 11.046 | 11.032 | 11.060 | VV | 212        | 4043   | 0.10% | 0.008% |  |
| 166 | 11.080 | 11.060 | 11.131 | VV | 929        | 16704  | 0.43% | 0.033% |  |
| 167 | 11.170 | 11.131 | 11.206 | PV | 441        | 11578  | 0.30% | 0.023% |  |
| 168 | 11.211 | 11.206 | 11.232 | VV | 156        | 1684   | 0.04% | 0.003% |  |
| 169 | 11.271 | 11.232 | 11.318 | VV | 310        | 6410   | 0.16% | 0.013% |  |
| 170 | 11.383 | 11.318 | 11.432 | PV | 30170      | 339117 | 8.72% | 0.676% |  |
| 171 | 11.458 | 11.432 | 11.469 | VV | 391        | 6680   | 0.17% | 0.013% |  |
| 172 | 11.486 | 11.469 | 11.509 | VV | 422        | 8113   | 0.21% | 0.016% |  |
| 173 | 11.538 | 11.509 | 11.546 | VV | 351        | 6359   | 0.16% | 0.013% |  |
| 174 | 11.564 | 11.546 | 11.579 | VV | 556        | 7621   | 0.20% | 0.015% |  |
| 175 | 11.594 | 11.579 | 11.641 | VV | 325        | 7866   | 0.20% | 0.016% |  |
| 176 | 11.690 | 11.641 | 11.708 | PV | 352        | 6547   | 0.17% | 0.013% |  |
| 177 | 11.748 | 11.708 | 11.791 | VV | 934        | 18059  | 0.46% | 0.036% |  |
| 178 | 11.817 | 11.791 | 11.826 | VV | 257        | 3220   | 0.08% | 0.006% |  |
| 179 | 11.841 | 11.826 | 11.870 | VV | 223        | 3176   | 0.08% | 0.006% |  |
| 180 | 11.956 | 11.886 | 11.968 | PV | 384        | 11404  | 0.29% | 0.023% |  |
| 181 | 11.995 | 11.968 | 12.075 | VV | 3612       | 85222  | 2.19% | 0.170% |  |
| 182 | 12.092 | 12.075 | 12.159 | VV | 769        | 22627  | 0.58% | 0.045% |  |
| 183 | 12.171 | 12.159 | 12.186 | VV | 378        | 4607   | 0.12% | 0.009% |  |
| 184 | 12.207 | 12.186 | 12.261 | VV | 328        | 8103   | 0.21% | 0.016% |  |
| 185 | 12.275 | 12.261 | 12.291 | VV | 232        | 2783   | 0.07% | 0.006% |  |
| 186 | 12.311 | 12.291 | 12.362 | VV | 581        | 14799  | 0.38% | 0.029% |  |
| 187 | 12.384 | 12.362 | 12.407 | VV | 1218       | 17531  | 0.45% | 0.035% |  |
| 188 | 12.427 | 12.407 | 12.471 | VV | 1096       | 18391  | 0.47% | 0.037% |  |
| 189 | 12.480 | 12.471 | 12.497 | VV | 298        | 3464   | 0.09% | 0.007% |  |
| 190 | 12.505 | 12.497 | 12.544 | VV | 394        | 7275   | 0.19% | 0.014% |  |
| 191 | 12.558 | 12.544 | 12.599 | VV | 217        | 4050   | 0.10% | 0.008% |  |
| 192 | 12.631 | 12.599 | 12.641 | PV | 249        | 4440   | 0.11% | 0.009% |  |
| 193 | 12.672 | 12.641 | 12.696 | VV | 345        | 7288   | 0.19% | 0.015% |  |
| 194 | 12.721 | 12.696 | 12.749 | VV | 1353       | 21116  | 0.54% | 0.042% |  |

|     |        |        |        |    |            |        |       |        |  |
|-----|--------|--------|--------|----|------------|--------|-------|--------|--|
|     |        |        |        |    | rteres.txt |        |       |        |  |
| 195 | 12.761 | 12.749 | 12.789 | VV | 672        | 9960   | 0.26% | 0.020% |  |
| 196 | 12.825 | 12.789 | 12.880 | VV | 18104      | 240869 | 6.20% | 0.480% |  |
| 197 | 12.906 | 12.880 | 12.922 | VV | 478        | 7581   | 0.20% | 0.015% |  |
| 198 | 12.931 | 12.922 | 12.969 | VV | 291        | 3090   | 0.08% | 0.006% |  |
| 199 | 12.994 | 12.969 | 13.026 | PV | 1046       | 16138  | 0.42% | 0.032% |  |
| 200 | 13.069 | 13.026 | 13.087 | VV | 517        | 14089  | 0.36% | 0.028% |  |
| 201 | 13.101 | 13.087 | 13.125 | VV | 514        | 8945   | 0.23% | 0.018% |  |
| 202 | 13.144 | 13.125 | 13.176 | VV | 387        | 8500   | 0.22% | 0.017% |  |
| 203 | 13.231 | 13.176 | 13.296 | VV | 1118       | 36342  | 0.93% | 0.072% |  |
| 204 | 13.312 | 13.296 | 13.331 | VV | 460        | 7721   | 0.20% | 0.015% |  |
| 205 | 13.355 | 13.331 | 13.384 | VV | 395        | 8837   | 0.23% | 0.018% |  |
| 206 | 13.441 | 13.384 | 13.472 | VV | 543        | 19598  | 0.50% | 0.039% |  |
| 207 | 13.487 | 13.472 | 13.507 | VV | 444        | 7512   | 0.19% | 0.015% |  |
| 208 | 13.520 | 13.507 | 13.546 | VV | 384        | 6542   | 0.17% | 0.013% |  |
| 209 | 13.580 | 13.546 | 13.614 | VV | 1607       | 30882  | 0.79% | 0.062% |  |
| 210 | 13.624 | 13.614 | 13.647 | VV | 413        | 6788   | 0.17% | 0.014% |  |
| 211 | 13.670 | 13.647 | 13.733 | VV | 470        | 14713  | 0.38% | 0.029% |  |
| 212 | 13.801 | 13.733 | 13.814 | PV | 423        | 14446  | 0.37% | 0.029% |  |
| 213 | 13.875 | 13.814 | 13.887 | VV | 311        | 12380  | 0.32% | 0.025% |  |
| 214 | 13.974 | 13.887 | 13.992 | VV | 551        | 21706  | 0.56% | 0.043% |  |
| 215 | 14.047 | 13.992 | 14.056 | VV | 569        | 14896  | 0.38% | 0.030% |  |
| 216 | 14.071 | 14.056 | 14.101 | VV | 743        | 13102  | 0.34% | 0.026% |  |
| 217 | 14.140 | 14.101 | 14.168 | VV | 1171       | 24248  | 0.62% | 0.048% |  |
| 218 | 14.179 | 14.168 | 14.190 | VV | 751        | 7801   | 0.20% | 0.016% |  |
| 219 | 14.201 | 14.190 | 14.222 | VV | 655        | 9319   | 0.24% | 0.019% |  |
| 220 | 14.236 | 14.222 | 14.258 | VV | 560        | 9181   | 0.24% | 0.018% |  |
| 221 | 14.292 | 14.258 | 14.331 | VV | 577        | 14962  | 0.38% | 0.030% |  |
| 222 | 14.344 | 14.331 | 14.352 | VV | 331        | 3344   | 0.09% | 0.007% |  |
| 223 | 14.377 | 14.352 | 14.392 | VV | 563        | 8774   | 0.23% | 0.017% |  |
| 224 | 14.406 | 14.392 | 14.426 | VV | 603        | 9293   | 0.24% | 0.019% |  |
| 225 | 14.449 | 14.426 | 14.460 | VV | 395        | 5526   | 0.14% | 0.011% |  |
| 226 | 14.534 | 14.460 | 14.547 | PV | 364        | 11883  | 0.31% | 0.024% |  |
| 227 | 14.643 | 14.547 | 14.654 | VV | 546        | 23632  | 0.61% | 0.047% |  |
| 228 | 14.676 | 14.654 | 14.709 | VV | 965        | 17123  | 0.44% | 0.034% |  |
| 229 | 14.747 | 14.709 | 14.764 | VV | 362        | 8244   | 0.21% | 0.016% |  |
| 230 | 14.793 | 14.764 | 14.811 | VV | 425        | 6680   | 0.17% | 0.013% |  |
| 231 | 14.903 | 14.811 | 14.911 | VV | 294        | 8472   | 0.22% | 0.017% |  |
| 232 | 14.944 | 14.911 | 14.956 | VV | 181        | 3548   | 0.09% | 0.007% |  |
| 233 | 14.985 | 14.956 | 14.995 | VV | 340        | 4619   | 0.12% | 0.009% |  |
| 234 | 15.048 | 14.995 | 15.061 | PV | 392        | 10331  | 0.27% | 0.021% |  |
| 235 | 15.117 | 15.061 | 15.132 | VV | 662        | 21827  | 0.56% | 0.043% |  |
| 236 | 15.152 | 15.132 | 15.161 | VV | 681        | 8222   | 0.21% | 0.016% |  |
| 237 | 15.190 | 15.161 | 15.224 | VV | 1151       | 25802  | 0.66% | 0.051% |  |
| 238 | 15.261 | 15.224 | 15.287 | VV | 956        | 23981  | 0.62% | 0.048% |  |
| 239 | 15.306 | 15.287 | 15.347 | VV | 746        | 15238  | 0.39% | 0.030% |  |
| 240 | 15.435 | 15.347 | 15.484 | PV | 627        | 29484  | 0.76% | 0.059% |  |
| 241 | 15.501 | 15.484 | 15.516 | VV | 583        | 8038   | 0.21% | 0.016% |  |
| 242 | 15.589 | 15.516 | 15.598 | VV | 619        | 20286  | 0.52% | 0.040% |  |
| 243 | 15.612 | 15.598 | 15.632 | VV | 622        | 9646   | 0.25% | 0.019% |  |
| 244 | 15.695 | 15.632 | 15.726 | VV | 1789       | 40026  | 1.03% | 0.080% |  |
| 245 | 15.735 | 15.726 | 15.746 | VV | 598        | 5426   | 0.14% | 0.011% |  |
| 246 | 15.768 | 15.746 | 15.802 | VV | 558        | 8591   | 0.22% | 0.017% |  |

|     |        |        |        |    |            |        |        |        |
|-----|--------|--------|--------|----|------------|--------|--------|--------|
|     |        |        |        |    | rteres.txt |        |        |        |
| 247 | 15.871 | 15.802 | 15.894 | PV | 979        | 24644  | 0.63%  | 0.049% |
| 248 | 15.973 | 15.894 | 15.982 | VV | 702        | 22072  | 0.57%  | 0.044% |
| 249 | 16.060 | 15.982 | 16.092 | VV | 874        | 35467  | 0.91%  | 0.071% |
| 250 | 16.175 | 16.092 | 16.218 | PV | 2227       | 75133  | 1.93%  | 0.150% |
| 251 | 16.249 | 16.218 | 16.259 | VV | 1291       | 19991  | 0.51%  | 0.040% |
| 252 | 16.281 | 16.259 | 16.294 | VV | 1069       | 19715  | 0.51%  | 0.039% |
| 253 | 16.325 | 16.294 | 16.339 | VV | 1093       | 23566  | 0.61%  | 0.047% |
| 254 | 16.361 | 16.339 | 16.387 | VV | 1160       | 24304  | 0.63%  | 0.048% |
| 255 | 16.434 | 16.387 | 16.444 | VV | 785        | 19509  | 0.50%  | 0.039% |
| 256 | 16.486 | 16.444 | 16.494 | VV | 671        | 20550  | 0.53%  | 0.041% |
| 257 | 16.524 | 16.494 | 16.551 | VV | 1267       | 22447  | 0.58%  | 0.045% |
| 258 | 16.566 | 16.551 | 16.577 | PV | 459        | 4878   | 0.13%  | 0.010% |
| 259 | 16.643 | 16.577 | 16.666 | VV | 2900       | 65076  | 1.67%  | 0.130% |
| 260 | 16.683 | 16.666 | 16.704 | VV | 1375       | 18405  | 0.47%  | 0.037% |
| 261 | 16.716 | 16.704 | 16.736 | VV | 866        | 9656   | 0.25%  | 0.019% |
| 262 | 16.746 | 16.736 | 16.763 | VV | 727        | 5810   | 0.15%  | 0.012% |
| 263 | 16.865 | 16.763 | 16.896 | PV | 1245       | 53203  | 1.37%  | 0.106% |
| 264 | 16.940 | 16.896 | 16.956 | VV | 1259       | 32329  | 0.83%  | 0.064% |
| 265 | 16.980 | 16.956 | 16.993 | VV | 1107       | 16892  | 0.43%  | 0.034% |
| 266 | 17.025 | 16.993 | 17.061 | VV | 2094       | 46266  | 1.19%  | 0.092% |
| 267 | 17.090 | 17.061 | 17.122 | VV | 2987       | 57897  | 1.49%  | 0.115% |
| 268 | 17.143 | 17.122 | 17.151 | VV | 1010       | 14462  | 0.37%  | 0.029% |
| 269 | 17.184 | 17.151 | 17.207 | VV | 2454       | 44244  | 1.14%  | 0.088% |
| 270 | 17.245 | 17.207 | 17.264 | PV | 1400       | 26168  | 0.67%  | 0.052% |
| 271 | 17.305 | 17.264 | 17.317 | VV | 789        | 16252  | 0.42%  | 0.032% |
| 272 | 17.522 | 17.317 | 17.574 | PV | 3996       | 225078 | 5.79%  | 0.448% |
| 273 | 17.646 | 17.574 | 17.661 | VV | 4169       | 105494 | 2.71%  | 0.210% |
| 274 | 17.675 | 17.661 | 17.698 | VV | 2836       | 54332  | 1.40%  | 0.108% |
| 275 | 17.705 | 17.698 | 17.716 | VV | 1462       | 13733  | 0.35%  | 0.027% |
| 276 | 17.748 | 17.716 | 17.760 | VV | 1014       | 21659  | 0.56%  | 0.043% |
| 277 | 17.801 | 17.760 | 17.809 | PV | 1235       | 16077  | 0.41%  | 0.032% |
| 278 | 17.848 | 17.809 | 17.867 | VV | 1574       | 28381  | 0.73%  | 0.057% |
| 279 | 17.901 | 17.867 | 17.919 | VV | 1049       | 17665  | 0.45%  | 0.035% |
| 280 | 17.943 | 17.919 | 17.965 | PV | 3254       | 51077  | 1.31%  | 0.102% |
| 281 | 17.976 | 17.965 | 17.985 | VV | 1211       | 14542  | 0.37%  | 0.029% |
| 282 | 18.012 | 17.985 | 18.039 | VV | 3213       | 63490  | 1.63%  | 0.126% |
| 283 | 18.048 | 18.039 | 18.056 | VV | 1310       | 11896  | 0.31%  | 0.024% |
| 284 | 18.083 | 18.056 | 18.103 | VV | 1633       | 30139  | 0.78%  | 0.060% |
| 285 | 18.169 | 18.103 | 18.192 | VV | 1301       | 57932  | 1.49%  | 0.115% |
| 286 | 18.259 | 18.192 | 18.283 | VV | 1667       | 63517  | 1.63%  | 0.127% |
| 287 | 18.352 | 18.283 | 18.377 | VV | 3906       | 91285  | 2.35%  | 0.182% |
| 288 | 18.397 | 18.377 | 18.417 | VV | 2314       | 39634  | 1.02%  | 0.079% |
| 289 | 18.436 | 18.417 | 18.454 | VV | 2170       | 28052  | 0.72%  | 0.056% |
| 290 | 18.485 | 18.454 | 18.507 | VV | 2770       | 38585  | 0.99%  | 0.077% |
| 291 | 18.531 | 18.507 | 18.539 | VV | 1127       | 12458  | 0.32%  | 0.025% |
| 292 | 18.550 | 18.539 | 18.557 | VV | 720        | 4561   | 0.12%  | 0.009% |
| 293 | 18.607 | 18.557 | 18.617 | PV | 3058       | 46869  | 1.21%  | 0.093% |
| 294 | 18.765 | 18.617 | 18.789 | VV | 7872       | 473706 | 12.18% | 0.944% |
| 295 | 18.862 | 18.789 | 18.875 | VV | 8348       | 383007 | 9.85%  | 0.763% |
| 296 | 18.943 | 18.875 | 18.962 | VV | 9689       | 450215 | 11.58% | 0.897% |
| 297 | 19.000 | 18.962 | 19.012 | VV | 9623       | 265949 | 6.84%  | 0.530% |
| 298 | 19.034 | 19.012 | 19.056 | VV | 9849       | 239232 | 6.15%  | 0.477% |
| 299 | 19.140 | 19.056 | 19.157 | VV | 13640      | 651491 | 16.76% | 1.298% |

|     |        |        |        |    |                         |         |          |        |
|-----|--------|--------|--------|----|-------------------------|---------|----------|--------|
|     |        |        |        |    | rteres.txt              |         |          |        |
| 300 | 19.336 | 19.157 | 19.349 | VV | 14388                   | 1472813 | 37.88%   | 2.934% |
| 301 | 19.376 | 19.349 | 19.402 | VV | 16737                   | 485393  | 12.49%   | 0.967% |
| 302 | 19.429 | 19.402 | 19.437 | VV | 17192                   | 330367  | 8.50%    | 0.658% |
| 303 | 19.522 | 19.437 | 19.539 | VV | 21682                   | 1176794 | 30.27%   | 2.345% |
| 304 | 19.543 | 19.539 | 19.559 | VV | 20461                   | 240427  | 6.18%    | 0.479% |
| 305 | 19.585 | 19.559 | 19.609 | VV | 20426                   | 587840  | 15.12%   | 1.171% |
| 306 | 19.631 | 19.609 | 19.664 | VV | 19768                   | 619144  | 15.93%   | 1.234% |
| 307 | 19.706 | 19.664 | 19.717 | VV | 19285                   | 595578  | 15.32%   | 1.187% |
| 308 | 19.780 | 19.717 | 19.792 | VV | 24524                   | 947265  | 24.37%   | 1.887% |
| 309 | 19.875 | 19.792 | 19.892 | VV | 32797                   | 1667725 | 42.90%   | 3.323% |
| 310 | 19.906 | 19.892 | 19.942 | VV | 32107                   | 917244  | 23.59%   | 1.827% |
| 311 | 19.964 | 19.942 | 19.985 | VV | 31107                   | 787975  | 20.27%   | 1.570% |
| 312 | 20.091 | 19.985 | 20.107 | VV | 37480                   | 2448582 | 62.98%   | 4.878% |
| 313 | 20.240 | 20.107 | 20.249 | VV | 54951                   | 3887768 | 100.00%  | 7.746% |
| 314 | 20.279 | 20.249 | 20.291 | VV | 55571                   | 1370999 | 35.26%   | 2.731% |
| 315 | 20.333 | 20.291 | 20.392 | VV | 57358                   | 3283873 | 84.47%   | 6.542% |
| 316 | 20.402 | 20.392 | 20.474 | VV | 48910                   | 2205821 | 56.74%   | 4.395% |
| 317 | 20.486 | 20.474 | 20.502 | VV | 41339                   | 684788  | 17.61%   | 1.364% |
| 318 | 20.509 | 20.502 | 20.517 | VV | 39462                   | 352750  | 9.07%    | 0.703% |
| 319 | 20.582 | 20.517 | 20.597 | VV | 42110                   | 1905715 | 49.02%   | 3.797% |
| 320 | 20.603 | 20.597 | 20.621 | VV | 40467                   | 541276  | 13.92%   | 1.078% |
| 321 | 20.646 | 20.621 | 20.667 | VV | 38674                   | 1048787 | 26.98%   | 2.089% |
| 322 | 20.685 | 20.667 | 20.728 | VV | 36792                   | 1277596 | 32.86%   | 2.545% |
| 323 | 20.748 | 20.728 | 20.789 | VV | 31898                   | 1072287 | 27.58%   | 2.136% |
| 324 | 20.822 | 20.789 | 20.844 | VV | 26546                   | 851857  | 21.91%   | 1.697% |
| 325 | 20.928 | 20.844 | 20.937 | VV | 31945                   | 1588350 | 40.86%   | 3.164% |
| 326 | 20.968 | 20.937 | 20.998 | VV | 33833                   | 1143234 | 29.41%   | 2.278% |
| 327 | 21.008 | 20.998 | 21.109 | VV | 26934                   | 1416038 | 36.42%   | 2.821% |
| 328 | 21.187 | 21.109 | 21.219 | VV | 23830                   | 1369540 | 35.23%   | 2.729% |
| 329 | 21.238 | 21.219 | 21.281 | VV | 20134                   | 695256  | 17.88%   | 1.385% |
| 330 | 21.301 | 21.281 | 21.334 | VV | 19175                   | 562136  | 14.46%   | 1.120% |
| 331 | 21.342 | 21.334 | 21.352 | VV | 15392                   | 167000  | 4.30%    | 0.333% |
| 332 | 21.375 | 21.352 | 21.486 | VV | 16205                   | 866354  | 22.28%   | 1.726% |
| 333 | 21.534 | 21.486 | 21.542 | PV | 1275                    | 26159   | 0.67%    | 0.052% |
|     |        |        |        |    | Sum of corrected areas: |         | 50193698 |        |

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