

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC112018AL\  
 Data File : FC037802.D  
 Signal(s) : FID1A.CH  
 Acq On : 21 Nov 2018 7:19  
 Sample : J6003-15DL 10X  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Alaphatic EPH 111318.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         | 3.095       | 3.059        | 3.130      | PV       | 185            | 4352         | 0.48%          | 0.033%        |
| 2         | 3.143       | 3.130        | 3.157      | VV       | 276            | 2208         | 0.24%          | 0.017%        |
| 3         | 3.172       | 3.157        | 3.209      | VV       | 160            | 2307         | 0.25%          | 0.017%        |
| 4         | 3.221       | 3.209        | 3.236      | VV       | 101            | 1053         | 0.12%          | 0.008%        |
| 5         | 3.249       | 3.236        | 3.292      | VV       | 225            | 3779         | 0.41%          | 0.028%        |
| 6         | 3.303       | 3.292        | 3.321      | VV       | 220            | 2969         | 0.33%          | 0.022%        |
| 7         | 3.332       | 3.321        | 3.366      | VV       | 257            | 3437         | 0.38%          | 0.026%        |
| 8         | 3.405       | 3.366        | 3.432      | PV       | 314            | 6284         | 0.69%          | 0.047%        |
| 9         | 3.455       | 3.432        | 3.481      | VV       | 338            | 5674         | 0.62%          | 0.043%        |
| 10        | 3.500       | 3.481        | 3.547      | VV       | 454            | 9950         | 1.09%          | 0.075%        |
| 11        | 3.567       | 3.547        | 3.593      | VV       | 338            | 6105         | 0.67%          | 0.046%        |
| 12        | 3.625       | 3.593        | 3.647      | VV       | 221            | 4483         | 0.49%          | 0.034%        |
| 13        | 3.660       | 3.647        | 3.682      | PV       | 210            | 2704         | 0.30%          | 0.020%        |
| 14        | 3.709       | 3.682        | 3.760      | VV       | 415            | 9542         | 1.05%          | 0.072%        |
| 15        | 3.794       | 3.760        | 3.811      | VV       | 987            | 11792        | 1.29%          | 0.089%        |
| 16        | 3.823       | 3.811        | 3.839      | VV       | 634            | 7351         | 0.81%          | 0.055%        |
| 17        | 3.864       | 3.839        | 3.874      | VV       | 415            | 6526         | 0.72%          | 0.049%        |
| 18        | 3.888       | 3.874        | 3.908      | VV       | 738            | 8453         | 0.93%          | 0.064%        |
| 19        | 3.923       | 3.908        | 3.955      | VV       | 313            | 6193         | 0.68%          | 0.047%        |
| 20        | 3.970       | 3.955        | 3.979      | VV       | 300            | 3168         | 0.35%          | 0.024%        |
| 21        | 4.004       | 3.979        | 4.019      | VV       | 324            | 5363         | 0.59%          | 0.040%        |
| 22        | 4.021       | 4.019        | 4.086      | VV       | 313            | 5337         | 0.59%          | 0.040%        |
| 23        | 4.113       | 4.086        | 4.132      | VV       | 294            | 5833         | 0.64%          | 0.044%        |
| 24        | 4.142       | 4.132        | 4.191      | VV       | 331            | 6824         | 0.75%          | 0.051%        |
| 25        | 4.194       | 4.191        | 4.206      | VV       | 309            | 1402         | 0.15%          | 0.011%        |
| 26        | 4.208       | 4.206        | 4.237      | VV       | 215            | 2458         | 0.27%          | 0.018%        |
| 27        | 4.254       | 4.237        | 4.277      | PV       | 262            | 3386         | 0.37%          | 0.025%        |
| 28        | 4.299       | 4.277        | 4.316      | VV       | 215            | 3010         | 0.33%          | 0.023%        |
| 29        | 4.334       | 4.316        | 4.371      | VV       | 687            | 12342        | 1.36%          | 0.093%        |
| 30        | 4.379       | 4.371        | 4.429      | VV       | 372            | 9631         | 1.06%          | 0.072%        |
| 31        | 4.444       | 4.429        | 4.458      | VV       | 483            | 5685         | 0.62%          | 0.043%        |
| 32        | 4.468       | 4.458        | 4.489      | VV       | 357            | 4953         | 0.54%          | 0.037%        |
| 33        | 4.496       | 4.489        | 4.514      | VV       | 404            | 3826         | 0.42%          | 0.029%        |
| 34        | 4.539       | 4.514        | 4.555      | VV       | 932            | 11357        | 1.25%          | 0.085%        |
| 35        | 4.563       | 4.555        | 4.589      | VV       | 509            | 6778         | 0.74%          | 0.051%        |
| 36        | 4.603       | 4.589        | 4.631      | VV       | 520            | 7960         | 0.87%          | 0.060%        |

| rteres.txt |       |       |       |    |      |       |       |        |
|------------|-------|-------|-------|----|------|-------|-------|--------|
| 37         | 4.650 | 4.631 | 4.680 | VV | 516  | 7393  | 0.81% | 0.056% |
| 38         | 4.711 | 4.680 | 4.727 | PV | 290  | 3806  | 0.42% | 0.029% |
| 39         | 4.741 | 4.727 | 4.759 | VV | 621  | 7195  | 0.79% | 0.054% |
| 40         | 4.769 | 4.759 | 4.782 | VV | 278  | 2783  | 0.31% | 0.021% |
| 41         | 4.796 | 4.782 | 4.811 | VV | 449  | 5168  | 0.57% | 0.039% |
| 42         | 4.826 | 4.811 | 4.854 | VV | 725  | 9248  | 1.02% | 0.070% |
| 43         | 4.873 | 4.854 | 4.886 | VV | 1229 | 13201 | 1.45% | 0.099% |
| 44         | 4.900 | 4.886 | 4.921 | VV | 2601 | 28393 | 3.12% | 0.214% |
| 45         | 4.927 | 4.921 | 4.971 | VV | 635  | 11014 | 1.21% | 0.083% |
| 46         | 4.984 | 4.971 | 4.997 | VV | 301  | 3403  | 0.37% | 0.026% |
| 47         | 5.011 | 4.997 | 5.054 | VV | 460  | 8576  | 0.94% | 0.065% |
| 48         | 5.079 | 5.054 | 5.090 | VV | 341  | 4929  | 0.54% | 0.037% |
| 49         | 5.105 | 5.090 | 5.123 | VV | 478  | 5906  | 0.65% | 0.044% |
| 50         | 5.138 | 5.123 | 5.197 | VV | 270  | 6669  | 0.73% | 0.050% |
| 51         | 5.219 | 5.197 | 5.256 | PV | 1897 | 25052 | 2.75% | 0.188% |
| 52         | 5.264 | 5.256 | 5.286 | VV | 288  | 3383  | 0.37% | 0.025% |
| 53         | 5.302 | 5.286 | 5.327 | VV | 290  | 3787  | 0.42% | 0.028% |
| 54         | 5.341 | 5.327 | 5.355 | VV | 306  | 2896  | 0.32% | 0.022% |
| 55         | 5.402 | 5.355 | 5.423 | PV | 1097 | 21273 | 2.34% | 0.160% |
| 56         | 5.434 | 5.423 | 5.453 | VV | 793  | 8800  | 0.97% | 0.066% |
| 57         | 5.467 | 5.453 | 5.477 | VV | 551  | 4829  | 0.53% | 0.036% |
| 58         | 5.496 | 5.477 | 5.533 | VV | 2385 | 37557 | 4.12% | 0.282% |
| 59         | 5.548 | 5.533 | 5.591 | VV | 892  | 15264 | 1.68% | 0.115% |
| 60         | 5.603 | 5.591 | 5.621 | VV | 337  | 4275  | 0.47% | 0.032% |
| 61         | 5.628 | 5.621 | 5.655 | VV | 339  | 2928  | 0.32% | 0.022% |
| 62         | 5.676 | 5.655 | 5.700 | VV | 815  | 9416  | 1.03% | 0.071% |
| 63         | 5.723 | 5.700 | 5.745 | VV | 701  | 10776 | 1.18% | 0.081% |
| 64         | 5.794 | 5.745 | 5.832 | VV | 884  | 26742 | 2.94% | 0.201% |
| 65         | 5.852 | 5.832 | 5.874 | VV | 672  | 10958 | 1.20% | 0.082% |
| 66         | 5.893 | 5.874 | 5.918 | VV | 1680 | 28384 | 3.12% | 0.213% |
| 67         | 5.933 | 5.918 | 5.959 | VV | 952  | 15752 | 1.73% | 0.118% |
| 68         | 5.975 | 5.959 | 5.998 | VV | 1171 | 16255 | 1.78% | 0.122% |
| 69         | 6.018 | 5.998 | 6.045 | VV | 1132 | 17935 | 1.97% | 0.135% |
| 70         | 6.074 | 6.045 | 6.102 | VV | 470  | 11610 | 1.27% | 0.087% |
| 71         | 6.119 | 6.102 | 6.181 | VV | 1002 | 23958 | 2.63% | 0.180% |
| 72         | 6.206 | 6.181 | 6.243 | VV | 570  | 14354 | 1.58% | 0.108% |
| 73         | 6.276 | 6.243 | 6.297 | VV | 573  | 11973 | 1.31% | 0.090% |
| 74         | 6.313 | 6.297 | 6.326 | VV | 928  | 11797 | 1.30% | 0.089% |
| 75         | 6.346 | 6.326 | 6.366 | VV | 1914 | 26810 | 2.94% | 0.202% |
| 76         | 6.384 | 6.366 | 6.407 | VV | 946  | 17552 | 1.93% | 0.132% |
| 77         | 6.417 | 6.407 | 6.427 | VV | 618  | 6086  | 0.67% | 0.046% |
| 78         | 6.437 | 6.427 | 6.452 | VV | 587  | 7576  | 0.83% | 0.057% |
| 79         | 6.468 | 6.452 | 6.488 | VV | 1762 | 20604 | 2.26% | 0.155% |
| 80         | 6.509 | 6.488 | 6.532 | VV | 1194 | 18248 | 2.00% | 0.137% |
| 81         | 6.542 | 6.532 | 6.559 | VV | 525  | 7334  | 0.81% | 0.055% |
| 82         | 6.584 | 6.559 | 6.606 | VV | 1590 | 24742 | 2.72% | 0.186% |
| 83         | 6.641 | 6.606 | 6.659 | VV | 617  | 15765 | 1.73% | 0.119% |
| 84         | 6.707 | 6.659 | 6.729 | VV | 1326 | 33863 | 3.72% | 0.255% |
| 85         | 6.747 | 6.729 | 6.781 | VV | 1886 | 33442 | 3.67% | 0.252% |
| 86         | 6.808 | 6.781 | 6.843 | VV | 1656 | 42404 | 4.66% | 0.319% |
| 87         | 6.854 | 6.843 | 6.870 | VV | 984  | 11561 | 1.27% | 0.087% |
| 88         | 6.895 | 6.870 | 6.920 | VV | 3508 | 53033 | 5.82% | 0.399% |
| 89         | 6.942 | 6.920 | 6.972 | VV | 2705 | 46670 | 5.12% | 0.351% |

|     |       |       |       |    |            |        |        |        |
|-----|-------|-------|-------|----|------------|--------|--------|--------|
|     |       |       |       |    | rteres.txt |        |        |        |
| 90  | 6.990 | 6.972 | 7.004 | VV | 1274       | 18350  | 2.01%  | 0.138% |
| 91  | 7.013 | 7.004 | 7.027 | VV | 906        | 10499  | 1.15%  | 0.079% |
| 92  | 7.087 | 7.027 | 7.097 | VV | 1403       | 41169  | 4.52%  | 0.310% |
| 93  | 7.112 | 7.097 | 7.134 | VV | 1536       | 27250  | 2.99%  | 0.205% |
| 94  | 7.163 | 7.134 | 7.187 | VV | 1365       | 35457  | 3.89%  | 0.267% |
| 95  | 7.195 | 7.187 | 7.226 | VV | 1248       | 23233  | 2.55%  | 0.175% |
| 96  | 7.239 | 7.226 | 7.260 | VV | 1139       | 20367  | 2.24%  | 0.153% |
| 97  | 7.283 | 7.260 | 7.314 | VV | 2518       | 50376  | 5.53%  | 0.379% |
| 98  | 7.331 | 7.314 | 7.356 | VV | 1695       | 28645  | 3.14%  | 0.215% |
| 99  | 7.416 | 7.356 | 7.462 | VV | 28152      | 416682 | 45.75% | 3.134% |
| 100 | 7.475 | 7.462 | 7.486 | VV | 3013       | 40082  | 4.40%  | 0.301% |
| 101 | 7.531 | 7.486 | 7.558 | VV | 4147       | 133805 | 14.69% | 1.006% |
| 102 | 7.570 | 7.558 | 7.612 | VV | 2138       | 55598  | 6.10%  | 0.418% |
| 103 | 7.627 | 7.612 | 7.648 | VV | 1647       | 32485  | 3.57%  | 0.244% |
| 104 | 7.681 | 7.648 | 7.692 | VV | 1986       | 45576  | 5.00%  | 0.343% |
| 105 | 7.705 | 7.692 | 7.719 | VV | 2334       | 32097  | 3.52%  | 0.241% |
| 106 | 7.729 | 7.719 | 7.757 | VV | 2018       | 35617  | 3.91%  | 0.268% |
| 107 | 7.801 | 7.757 | 7.829 | VV | 5421       | 113946 | 12.51% | 0.857% |
| 108 | 7.844 | 7.829 | 7.866 | VV | 1897       | 35065  | 3.85%  | 0.264% |
| 109 | 7.893 | 7.866 | 7.909 | VV | 4886       | 76636  | 8.41%  | 0.576% |
| 110 | 7.920 | 7.909 | 7.966 | VV | 3258       | 78613  | 8.63%  | 0.591% |
| 111 | 7.978 | 7.966 | 7.996 | VV | 2251       | 35737  | 3.92%  | 0.269% |
| 112 | 8.040 | 7.996 | 8.055 | VV | 3133       | 81768  | 8.98%  | 0.615% |
| 113 | 8.067 | 8.055 | 8.102 | VV | 2637       | 59680  | 6.55%  | 0.449% |
| 114 | 8.124 | 8.102 | 8.146 | VV | 3926       | 63902  | 7.02%  | 0.481% |
| 115 | 8.161 | 8.146 | 8.171 | VV | 1924       | 27882  | 3.06%  | 0.210% |
| 116 | 8.185 | 8.171 | 8.207 | VV | 2230       | 40182  | 4.41%  | 0.302% |
| 117 | 8.218 | 8.207 | 8.237 | VV | 1778       | 27682  | 3.04%  | 0.208% |
| 118 | 8.273 | 8.237 | 8.319 | VV | 12795      | 253784 | 27.86% | 1.909% |
| 119 | 8.329 | 8.319 | 8.356 | VV | 3700       | 72106  | 7.92%  | 0.542% |
| 120 | 8.363 | 8.356 | 8.396 | VV | 2892       | 60323  | 6.62%  | 0.454% |
| 121 | 8.417 | 8.396 | 8.452 | VV | 3285       | 87518  | 9.61%  | 0.658% |
| 122 | 8.479 | 8.452 | 8.495 | VV | 3010       | 62198  | 6.83%  | 0.468% |
| 123 | 8.514 | 8.495 | 8.543 | VV | 5986       | 96815  | 10.63% | 0.728% |
| 124 | 8.557 | 8.543 | 8.569 | VV | 1952       | 27465  | 3.02%  | 0.207% |
| 125 | 8.583 | 8.569 | 8.594 | VV | 2233       | 30049  | 3.30%  | 0.226% |
| 126 | 8.610 | 8.594 | 8.629 | VV | 3292       | 56026  | 6.15%  | 0.421% |
| 127 | 8.648 | 8.629 | 8.667 | VV | 2408       | 52499  | 5.76%  | 0.395% |
| 128 | 8.682 | 8.667 | 8.715 | VV | 2624       | 62187  | 6.83%  | 0.468% |
| 129 | 8.732 | 8.715 | 8.755 | VV | 2686       | 53949  | 5.92%  | 0.406% |
| 130 | 8.775 | 8.755 | 8.792 | VV | 3576       | 62109  | 6.82%  | 0.467% |
| 131 | 8.816 | 8.792 | 8.851 | VV | 4391       | 99072  | 10.88% | 0.745% |
| 132 | 8.879 | 8.851 | 8.900 | VV | 2367       | 56086  | 6.16%  | 0.422% |
| 133 | 8.929 | 8.900 | 8.947 | VV | 3720       | 72519  | 7.96%  | 0.545% |
| 134 | 8.986 | 8.947 | 9.024 | VV | 6328       | 163322 | 17.93% | 1.228% |
| 135 | 9.065 | 9.024 | 9.106 | VV | 3384       | 114119 | 12.53% | 0.858% |
| 136 | 9.117 | 9.106 | 9.132 | VV | 1928       | 29121  | 3.20%  | 0.219% |
| 137 | 9.164 | 9.132 | 9.194 | VV | 3724       | 94234  | 10.35% | 0.709% |
| 138 | 9.224 | 9.194 | 9.281 | VV | 3906       | 131545 | 14.44% | 0.989% |
| 139 | 9.299 | 9.281 | 9.311 | VV | 2352       | 37455  | 4.11%  | 0.282% |
| 140 | 9.330 | 9.311 | 9.339 | VV | 3110       | 43426  | 4.77%  | 0.327% |
| 141 | 9.350 | 9.339 | 9.381 | VV | 2901       | 58916  | 6.47%  | 0.443% |

| rteres.txt |        |        |        |    |       |        |        |        |
|------------|--------|--------|--------|----|-------|--------|--------|--------|
| 142        | 9.389  | 9.381  | 9.439  | VV | 2006  | 62012  | 6.81%  | 0.466% |
| 143        | 9.478  | 9.439  | 9.502  | VV | 2457  | 78403  | 8.61%  | 0.590% |
| 144        | 9.522  | 9.502  | 9.538  | VV | 3100  | 55922  | 6.14%  | 0.421% |
| 145        | 9.570  | 9.538  | 9.611  | VV | 3366  | 106702 | 11.72% | 0.803% |
| 146        | 9.670  | 9.611  | 9.704  | VV | 2340  | 108368 | 11.90% | 0.815% |
| 147        | 9.728  | 9.704  | 9.769  | VV | 2545  | 74174  | 8.14%  | 0.558% |
| 148        | 9.794  | 9.769  | 9.822  | VV | 1717  | 49619  | 5.45%  | 0.373% |
| 149        | 9.837  | 9.822  | 9.862  | VV | 1617  | 36757  | 4.04%  | 0.276% |
| 150        | 9.886  | 9.862  | 9.917  | VV | 2403  | 61405  | 6.74%  | 0.462% |
| 151        | 9.956  | 9.917  | 9.981  | VV | 5248  | 115926 | 12.73% | 0.872% |
| 152        | 9.992  | 9.981  | 10.002 | VV | 2674  | 31632  | 3.47%  | 0.238% |
| 153        | 10.020 | 10.002 | 10.041 | VV | 2805  | 57444  | 6.31%  | 0.432% |
| 154        | 10.057 | 10.041 | 10.081 | VV | 3433  | 66750  | 7.33%  | 0.502% |
| 155        | 10.094 | 10.081 | 10.115 | VV | 2473  | 43091  | 4.73%  | 0.324% |
| 156        | 10.137 | 10.115 | 10.173 | VV | 2796  | 81359  | 8.93%  | 0.612% |
| 157        | 10.194 | 10.173 | 10.211 | VV | 2919  | 54241  | 5.96%  | 0.408% |
| 158        | 10.231 | 10.211 | 10.248 | VV | 2799  | 52837  | 5.80%  | 0.397% |
| 159        | 10.292 | 10.248 | 10.329 | VV | 3605  | 135900 | 14.92% | 1.022% |
| 160        | 10.376 | 10.329 | 10.456 | VV | 7826  | 238394 | 26.17% | 1.793% |
| 161        | 10.494 | 10.456 | 10.511 | VV | 2257  | 58925  | 6.47%  | 0.443% |
| 162        | 10.539 | 10.511 | 10.591 | VV | 3878  | 122345 | 13.43% | 0.920% |
| 163        | 10.627 | 10.591 | 10.662 | VV | 2390  | 86449  | 9.49%  | 0.650% |
| 164        | 10.693 | 10.662 | 10.732 | VV | 2258  | 78939  | 8.67%  | 0.594% |
| 165        | 10.755 | 10.732 | 10.807 | VV | 1868  | 75320  | 8.27%  | 0.566% |
| 166        | 10.845 | 10.807 | 10.871 | VV | 2223  | 68959  | 7.57%  | 0.519% |
| 167        | 10.902 | 10.871 | 10.917 | VV | 1902  | 50845  | 5.58%  | 0.382% |
| 168        | 10.937 | 10.917 | 10.984 | VV | 2179  | 73941  | 8.12%  | 0.556% |
| 169        | 11.004 | 10.984 | 11.042 | VV | 2594  | 70890  | 7.78%  | 0.533% |
| 170        | 11.056 | 11.042 | 11.067 | VV | 1798  | 25890  | 2.84%  | 0.195% |
| 171        | 11.092 | 11.067 | 11.171 | VV | 4624  | 129787 | 14.25% | 0.976% |
| 172        | 11.195 | 11.171 | 11.257 | VV | 1547  | 70395  | 7.73%  | 0.529% |
| 173        | 11.300 | 11.257 | 11.357 | VV | 31767 | 420603 | 46.18% | 3.163% |
| 174        | 11.367 | 11.357 | 11.406 | VV | 1995  | 49921  | 5.48%  | 0.375% |
| 175        | 11.417 | 11.406 | 11.428 | VV | 1765  | 22983  | 2.52%  | 0.173% |
| 176        | 11.444 | 11.428 | 11.462 | VV | 2122  | 36934  | 4.06%  | 0.278% |
| 177        | 11.481 | 11.462 | 11.501 | VV | 2123  | 39369  | 4.32%  | 0.296% |
| 178        | 11.514 | 11.501 | 11.576 | VV | 1779  | 62703  | 6.88%  | 0.472% |
| 179        | 11.590 | 11.576 | 11.616 | VV | 1193  | 26297  | 2.89%  | 0.198% |
| 180        | 11.644 | 11.616 | 11.653 | VV | 1941  | 34451  | 3.78%  | 0.259% |
| 181        | 11.666 | 11.653 | 11.719 | VV | 1933  | 53251  | 5.85%  | 0.401% |
| 182        | 11.736 | 11.719 | 11.759 | VV | 1094  | 24043  | 2.64%  | 0.181% |
| 183        | 11.772 | 11.759 | 11.807 | VV | 1091  | 28142  | 3.09%  | 0.212% |
| 184        | 11.824 | 11.807 | 11.845 | VV | 991   | 20668  | 2.27%  | 0.155% |
| 185        | 11.863 | 11.845 | 11.917 | VV | 1135  | 39475  | 4.33%  | 0.297% |
| 186        | 11.944 | 11.917 | 11.994 | VV | 1264  | 46455  | 5.10%  | 0.349% |
| 187        | 12.007 | 11.994 | 12.059 | VV | 1184  | 36275  | 3.98%  | 0.273% |
| 188        | 12.074 | 12.059 | 12.103 | VV | 1096  | 22989  | 2.52%  | 0.173% |
| 189        | 12.128 | 12.103 | 12.184 | VV | 1019  | 40213  | 4.42%  | 0.302% |
| 190        | 12.228 | 12.184 | 12.282 | VV | 1652  | 57714  | 6.34%  | 0.434% |
| 191        | 12.304 | 12.282 | 12.322 | VV | 1494  | 26308  | 2.89%  | 0.198% |
| 192        | 12.344 | 12.322 | 12.402 | VV | 3171  | 67588  | 7.42%  | 0.508% |
| 193        | 12.430 | 12.402 | 12.463 | VV | 944   | 24684  | 2.71%  | 0.186% |
| 194        | 12.476 | 12.463 | 12.513 | VV | 577   | 13414  | 1.47%  | 0.101% |

|     |        |        |        |    |            |        |        |        |  |
|-----|--------|--------|--------|----|------------|--------|--------|--------|--|
|     |        |        |        |    | rteres.txt |        |        |        |  |
| 195 | 12.528 | 12.513 | 12.537 | VV | 486        | 5299   | 0.58%  | 0.040% |  |
| 196 | 12.545 | 12.537 | 12.574 | VV | 517        | 8919   | 0.98%  | 0.067% |  |
| 197 | 12.596 | 12.574 | 12.616 | VV | 533        | 9128   | 1.00%  | 0.069% |  |
| 198 | 12.636 | 12.616 | 12.699 | VV | 2624       | 52237  | 5.74%  | 0.393% |  |
| 199 | 12.745 | 12.699 | 12.888 | VV | 20628      | 307552 | 33.77% | 2.313% |  |
| 200 | 12.917 | 12.888 | 12.949 | VV | 881        | 18484  | 2.03%  | 0.139% |  |
| 201 | 12.973 | 12.949 | 13.002 | VV | 639        | 13201  | 1.45%  | 0.099% |  |
| 202 | 13.065 | 13.002 | 13.082 | VV | 455        | 15845  | 1.74%  | 0.119% |  |
| 203 | 13.101 | 13.082 | 13.131 | VV | 694        | 9020   | 0.99%  | 0.068% |  |
| 204 | 13.142 | 13.131 | 13.161 | VV | 398        | 5783   | 0.63%  | 0.043% |  |
| 205 | 13.190 | 13.161 | 13.209 | VV | 481        | 10725  | 1.18%  | 0.081% |  |
| 206 | 13.242 | 13.209 | 13.297 | VV | 612        | 21929  | 2.41%  | 0.165% |  |
| 207 | 13.364 | 13.297 | 13.402 | VV | 778        | 31624  | 3.47%  | 0.238% |  |
| 208 | 13.409 | 13.402 | 13.434 | VV | 406        | 5987   | 0.66%  | 0.045% |  |
| 209 | 13.462 | 13.434 | 13.475 | VV | 447        | 7685   | 0.84%  | 0.058% |  |
| 210 | 13.497 | 13.475 | 13.528 | VV | 847        | 15746  | 1.73%  | 0.118% |  |
| 211 | 13.541 | 13.528 | 13.566 | VV | 371        | 6837   | 0.75%  | 0.051% |  |
| 212 | 13.582 | 13.566 | 13.639 | VV | 314        | 10661  | 1.17%  | 0.080% |  |
| 213 | 13.641 | 13.639 | 13.656 | VV | 290        | 1591   | 0.17%  | 0.012% |  |
| 214 | 13.723 | 13.656 | 13.737 | PV | 325        | 10174  | 1.12%  | 0.077% |  |
| 215 | 13.747 | 13.737 | 13.773 | VV | 324        | 5055   | 0.55%  | 0.038% |  |
| 216 | 13.783 | 13.773 | 13.802 | VV | 241        | 2397   | 0.26%  | 0.018% |  |
| 217 | 13.941 | 13.802 | 14.017 | PV | 355        | 24343  | 2.67%  | 0.183% |  |
| 218 | 14.057 | 14.017 | 14.118 | VV | 702        | 16386  | 1.80%  | 0.123% |  |
| 219 | 14.155 | 14.118 | 14.177 | VV | 250        | 7126   | 0.78%  | 0.054% |  |
| 220 | 14.216 | 14.177 | 14.276 | VV | 589        | 19893  | 2.18%  | 0.150% |  |
| 221 | 14.286 | 14.276 | 14.327 | VV | 260        | 5529   | 0.61%  | 0.042% |  |
| 222 | 14.333 | 14.327 | 14.343 | VV | 220        | 1306   | 0.14%  | 0.010% |  |
| 223 | 14.355 | 14.343 | 14.371 | VV | 211        | 2147   | 0.24%  | 0.016% |  |
| 224 | 14.382 | 14.371 | 14.404 | PV | 152        | 2238   | 0.25%  | 0.017% |  |
| 225 | 14.435 | 14.404 | 14.456 | VV | 456        | 7030   | 0.77%  | 0.053% |  |
| 226 | 14.467 | 14.456 | 14.498 | VV | 352        | 4629   | 0.51%  | 0.035% |  |
| 227 | 14.553 | 14.498 | 14.579 | VV | 815        | 25367  | 2.79%  | 0.191% |  |
| 228 | 14.595 | 14.579 | 14.619 | VV | 925        | 15689  | 1.72%  | 0.118% |  |
| 229 | 14.636 | 14.619 | 14.656 | VV | 375        | 6529   | 0.72%  | 0.049% |  |
| 230 | 14.662 | 14.656 | 14.686 | VV | 368        | 5085   | 0.56%  | 0.038% |  |
| 231 | 14.718 | 14.686 | 14.731 | VV | 306        | 5822   | 0.64%  | 0.044% |  |
| 232 | 14.736 | 14.731 | 14.766 | VV | 204        | 3498   | 0.38%  | 0.026% |  |
| 233 | 14.773 | 14.766 | 14.802 | VV | 226        | 2475   | 0.27%  | 0.019% |  |
| 234 | 14.854 | 14.802 | 14.876 | VV | 186        | 5138   | 0.56%  | 0.039% |  |
| 235 | 14.884 | 14.876 | 14.916 | VV | 199        | 2081   | 0.23%  | 0.016% |  |
| 236 | 15.001 | 14.916 | 15.064 | PV | 1106       | 47329  | 5.20%  | 0.356% |  |
| 237 | 15.066 | 15.064 | 15.084 | VV | 379        | 3402   | 0.37%  | 0.026% |  |
| 238 | 15.112 | 15.084 | 15.140 | VV | 635        | 13823  | 1.52%  | 0.104% |  |
| 239 | 15.150 | 15.140 | 15.155 | VV | 342        | 2515   | 0.28%  | 0.019% |  |
| 240 | 15.164 | 15.155 | 15.211 | VV | 389        | 8306   | 0.91%  | 0.062% |  |
| 241 | 15.218 | 15.211 | 15.259 | VV | 290        | 3984   | 0.44%  | 0.030% |  |
| 242 | 15.357 | 15.259 | 15.367 | VV | 202        | 8187   | 0.90%  | 0.062% |  |
| 243 | 15.408 | 15.367 | 15.420 | VV | 281        | 5185   | 0.57%  | 0.039% |  |
| 244 | 15.432 | 15.420 | 15.456 | VV | 303        | 3317   | 0.36%  | 0.025% |  |
| 245 | 15.459 | 15.456 | 15.479 | VV | 118        | 1318   | 0.14%  | 0.010% |  |
| 246 | 15.493 | 15.479 | 15.514 | VV | 218        | 3013   | 0.33%  | 0.023% |  |

|                         |        |        |        |    | rteres.txt |        |          |        |
|-------------------------|--------|--------|--------|----|------------|--------|----------|--------|
| 247                     | 15.532 | 15.514 | 15.541 | VV | 244        | 2470   | 0.27%    | 0.019% |
| 248                     | 15.611 | 15.541 | 15.643 | VV | 934        | 18580  | 2.04%    | 0.140% |
| 249                     | 15.652 | 15.643 | 15.701 | VV | 368        | 4979   | 0.55%    | 0.037% |
| 250                     | 15.756 | 15.701 | 15.791 | PV | 647        | 15389  | 1.69%    | 0.116% |
|                         |        |        |        |    |            |        |          |        |
| 251                     | 15.801 | 15.791 | 15.839 | VV | 330        | 6154   | 0.68%    | 0.046% |
| 252                     | 15.868 | 15.839 | 15.886 | VV | 276        | 4548   | 0.50%    | 0.034% |
| 253                     | 15.996 | 15.886 | 16.011 | VV | 282        | 12927  | 1.42%    | 0.097% |
| 254                     | 16.094 | 16.011 | 16.124 | PV | 1399       | 39582  | 4.35%    | 0.298% |
| 255                     | 16.156 | 16.124 | 16.179 | VV | 375        | 10859  | 1.19%    | 0.082% |
|                         |        |        |        |    |            |        |          |        |
| 256                     | 16.197 | 16.179 | 16.206 | VV | 312        | 4100   | 0.45%    | 0.031% |
| 257                     | 16.216 | 16.206 | 16.242 | VV | 274        | 3756   | 0.41%    | 0.028% |
| 258                     | 16.250 | 16.242 | 16.266 | PV | 254        | 2436   | 0.27%    | 0.018% |
| 259                     | 16.385 | 16.266 | 16.416 | PV | 453        | 12286  | 1.35%    | 0.092% |
| 260                     | 16.455 | 16.416 | 16.487 | PV | 1010       | 19108  | 2.10%    | 0.144% |
|                         |        |        |        |    |            |        |          |        |
| 261                     | 16.558 | 16.487 | 16.587 | VV | 1896       | 33427  | 3.67%    | 0.251% |
| 262                     | 16.594 | 16.587 | 16.612 | VV | 342        | 3458   | 0.38%    | 0.026% |
| 263                     | 16.760 | 16.612 | 16.782 | PV | 359        | 17913  | 1.97%    | 0.135% |
| 264                     | 16.848 | 16.782 | 16.872 | PV | 761        | 18920  | 2.08%    | 0.142% |
| 265                     | 16.934 | 16.872 | 16.959 | VV | 435        | 15118  | 1.66%    | 0.114% |
|                         |        |        |        |    |            |        |          |        |
| 266                     | 17.008 | 16.959 | 17.042 | VV | 2380       | 36860  | 4.05%    | 0.277% |
| 267                     | 17.106 | 17.042 | 17.141 | VV | 782        | 20123  | 2.21%    | 0.151% |
| 268                     | 17.440 | 17.141 | 17.469 | VV | 2590       | 51175  | 5.62%    | 0.385% |
| 269                     | 17.555 | 17.469 | 17.577 | PV | 532        | 17197  | 1.89%    | 0.129% |
| 270                     | 17.723 | 17.577 | 17.751 | VV | 973        | 26549  | 2.91%    | 0.200% |
|                         |        |        |        |    |            |        |          |        |
| 271                     | 17.759 | 17.751 | 17.772 | VV | 361        | 3617   | 0.40%    | 0.027% |
| 272                     | 17.862 | 17.772 | 17.896 | PV | 3019       | 70942  | 7.79%    | 0.534% |
| 273                     | 17.918 | 17.896 | 17.931 | VV | 715        | 10787  | 1.18%    | 0.081% |
| 274                     | 17.959 | 17.931 | 17.974 | VV | 487        | 11304  | 1.24%    | 0.085% |
| 275                     | 18.021 | 17.974 | 18.032 | VV | 226        | 8353   | 0.92%    | 0.063% |
|                         |        |        |        |    |            |        |          |        |
| 276                     | 18.134 | 18.032 | 18.142 | PV | 387        | 14394  | 1.58%    | 0.108% |
| 277                     | 18.270 | 18.142 | 18.319 | VV | 3050       | 78163  | 8.58%    | 0.588% |
| 278                     | 18.402 | 18.319 | 18.422 | VV | 907        | 47791  | 5.25%    | 0.359% |
| 279                     | 18.529 | 18.422 | 18.543 | VV | 392        | 25229  | 2.77%    | 0.190% |
| 280                     | 18.667 | 18.543 | 18.697 | PV | 2355       | 53283  | 5.85%    | 0.401% |
|                         |        |        |        |    |            |        |          |        |
| 281                     | 18.840 | 18.697 | 18.869 | VV | 1130       | 26560  | 2.92%    | 0.200% |
| 282                     | 19.052 | 18.869 | 19.079 | PV | 2551       | 76654  | 8.42%    | 0.577% |
| 283                     | 19.357 | 19.079 | 19.387 | VV | 3970       | 399343 | 43.85%   | 3.004% |
| 284                     | 19.429 | 19.387 | 19.452 | VV | 4148       | 136865 | 15.03%   | 1.029% |
| 285                     | 19.713 | 19.452 | 19.724 | VV | 7465       | 910802 | 100.00%  | 6.850% |
|                         |        |        |        |    |            |        |          |        |
| 286                     | 19.850 | 19.724 | 19.861 | VV | 9980       | 662371 | 72.72%   | 4.982% |
| 287                     | 19.932 | 19.861 | 19.951 | VV | 11398      | 550794 | 60.47%   | 4.143% |
| 288                     | 19.971 | 19.951 | 19.981 | VV | 11140      | 196913 | 21.62%   | 1.481% |
| 289                     | 20.025 | 19.981 | 20.072 | VV | 10771      | 564104 | 61.93%   | 4.243% |
| Sum of corrected areas: |        |        |        |    |            |        | 13295875 |        |

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