

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC111518AL\  
 Data File : FC037716.D  
 Signal(s) : FID1A.CH  
 Acq On : 15 Nov 2018 19:11  
 Sample : J5930-01DL 5X  
 Misc :  
 ALS Vial : 13 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         | 3.016       | 3.002        | 3.041      | BV       | 110            | 1710         | 0.00%          | 0.001%        |
| 2         | 3.060       | 3.041        | 3.081      | PV       | 144            | 2564         | 0.00%          | 0.001%        |
| 3         | 3.105       | 3.097        | 3.117      | VV       | 206            | 1281         | 0.00%          | 0.000%        |
| 4         | 3.147       | 3.117        | 3.186      | VV       | 181            | 5873         | 0.00%          | 0.002%        |
| 5         | 3.198       | 3.186        | 3.222      | VV       | 204            | 2544         | 0.00%          | 0.001%        |
| 6         | 3.238       | 3.222        | 3.278      | VV       | 155            | 2737         | 0.00%          | 0.001%        |
| 7         | 3.316       | 3.301        | 3.329      | VV       | 138            | 1338         | 0.00%          | 0.000%        |
| 8         | 3.404       | 3.329        | 3.473      | PV       | 282            | 9925         | 0.00%          | 0.003%        |
| 9         | 3.519       | 3.473        | 3.544      | PV       | 339            | 8333         | 0.00%          | 0.003%        |
| 10        | 3.571       | 3.544        | 3.595      | VV       | 379            | 6579         | 0.00%          | 0.002%        |
| 11        | 3.622       | 3.595        | 3.754      | VV       | 14633          | 259622       | 0.09%          | 0.081%        |
| 12        | 3.785       | 3.754        | 3.809      | VV       | 785            | 16848        | 0.01%          | 0.005%        |
| 13        | 3.829       | 3.809        | 3.874      | VV       | 813            | 23357        | 0.01%          | 0.007%        |
| 14        | 3.890       | 3.874        | 3.906      | VV       | 806            | 9527         | 0.00%          | 0.003%        |
| 15        | 3.930       | 3.906        | 3.942      | VV       | 362            | 7093         | 0.00%          | 0.002%        |
| 16        | 3.952       | 3.942        | 3.962      | VV       | 428            | 4879         | 0.00%          | 0.002%        |
| 17        | 3.971       | 3.962        | 3.982      | VV       | 461            | 4754         | 0.00%          | 0.001%        |
| 18        | 3.994       | 3.982        | 4.018      | VV       | 488            | 7610         | 0.00%          | 0.002%        |
| 19        | 4.031       | 4.018        | 4.072      | VV       | 404            | 7683         | 0.00%          | 0.002%        |
| 20        | 4.101       | 4.072        | 4.126      | VV       | 432            | 8119         | 0.00%          | 0.003%        |
| 21        | 4.143       | 4.126        | 4.171      | VV       | 403            | 6789         | 0.00%          | 0.002%        |
| 22        | 4.192       | 4.171        | 4.242      | VV       | 412            | 10463        | 0.00%          | 0.003%        |
| 23        | 4.258       | 4.242        | 4.284      | VV       | 354            | 5884         | 0.00%          | 0.002%        |
| 24        | 4.301       | 4.284        | 4.317      | VV       | 224            | 3209         | 0.00%          | 0.001%        |
| 25        | 4.352       | 4.317        | 4.367      | VV       | 596            | 10843        | 0.00%          | 0.003%        |
| 26        | 4.384       | 4.367        | 4.404      | VV       | 671            | 10001        | 0.00%          | 0.003%        |
| 27        | 4.415       | 4.404        | 4.431      | VV       | 457            | 5953         | 0.00%          | 0.002%        |
| 28        | 4.445       | 4.431        | 4.459      | VV       | 1792           | 17927        | 0.01%          | 0.006%        |
| 29        | 4.467       | 4.459        | 4.486      | VV       | 791            | 7478         | 0.00%          | 0.002%        |
| 30        | 4.496       | 4.486        | 4.534      | VV       | 624            | 11857        | 0.00%          | 0.004%        |
| 31        | 4.564       | 4.534        | 4.577      | VV       | 811            | 12854        | 0.00%          | 0.004%        |
| 32        | 4.588       | 4.577        | 4.630      | VV       | 987            | 22113        | 0.01%          | 0.007%        |
| 33        | 4.651       | 4.630        | 4.683      | VV       | 1195           | 19354        | 0.01%          | 0.006%        |
| 34        | 4.711       | 4.683        | 4.727      | VV       | 409            | 7545         | 0.00%          | 0.002%        |
| 35        | 4.745       | 4.727        | 4.774      | VV       | 651            | 8911         | 0.00%          | 0.003%        |
| 36        | 4.801       | 4.774        | 4.816      | PV       | 902            | 12547        | 0.00%          | 0.004%        |

| rteres.txt |       |       |       |    |         |           |         |         |
|------------|-------|-------|-------|----|---------|-----------|---------|---------|
| 37         | 4.848 | 4.816 | 4.881 | VV | 1490    | 32367     | 0.01%   | 0.010%  |
| 38         | 4.895 | 4.881 | 4.964 | VV | 910     | 29750     | 0.01%   | 0.009%  |
| 39         | 4.981 | 4.964 | 5.004 | VV | 328     | 6441      | 0.00%   | 0.002%  |
| 40         | 5.021 | 5.004 | 5.035 | VV | 1026    | 12822     | 0.00%   | 0.004%  |
| 41         | 5.061 | 5.035 | 5.096 | VV | 808     | 25213     | 0.01%   | 0.008%  |
| 42         | 5.110 | 5.096 | 5.123 | VV | 1008    | 11725     | 0.00%   | 0.004%  |
| 43         | 5.134 | 5.123 | 5.146 | VV | 823     | 9209      | 0.00%   | 0.003%  |
| 44         | 5.166 | 5.146 | 5.191 | VV | 1450    | 26123     | 0.01%   | 0.008%  |
| 45         | 5.214 | 5.191 | 5.356 | VV | 101878  | 1320525   | 0.48%   | 0.412%  |
| 46         | 5.394 | 5.356 | 5.454 | VV | 3355    | 105369    | 0.04%   | 0.033%  |
| 47         | 5.472 | 5.454 | 5.487 | VV | 1577    | 25238     | 0.01%   | 0.008%  |
| 48         | 5.511 | 5.487 | 5.547 | VV | 3301    | 66950     | 0.02%   | 0.021%  |
| 49         | 5.568 | 5.547 | 5.581 | VV | 1322    | 21557     | 0.01%   | 0.007%  |
| 50         | 5.609 | 5.581 | 5.654 | VV | 6092    | 98570     | 0.04%   | 0.031%  |
| 51         | 5.674 | 5.654 | 5.692 | VV | 1817    | 27058     | 0.01%   | 0.008%  |
| 52         | 5.723 | 5.692 | 5.737 | VV | 2030    | 36645     | 0.01%   | 0.011%  |
| 53         | 5.766 | 5.737 | 5.801 | VV | 4280    | 91172     | 0.03%   | 0.028%  |
| 54         | 5.815 | 5.801 | 5.825 | VV | 1586    | 23237     | 0.01%   | 0.007%  |
| 55         | 5.841 | 5.825 | 5.884 | VV | 2907    | 70193     | 0.03%   | 0.022%  |
| 56         | 5.899 | 5.884 | 5.913 | VV | 1926    | 28688     | 0.01%   | 0.009%  |
| 57         | 5.939 | 5.913 | 5.965 | VV | 1908    | 50732     | 0.02%   | 0.016%  |
| 58         | 6.003 | 5.965 | 6.022 | VV | 1937    | 52441     | 0.02%   | 0.016%  |
| 59         | 6.033 | 6.022 | 6.062 | VV | 2078    | 41461     | 0.02%   | 0.013%  |
| 60         | 6.081 | 6.062 | 6.144 | VV | 2503    | 98690     | 0.04%   | 0.031%  |
| 61         | 6.260 | 6.144 | 6.336 | VV | 9933324 | 274078370 | 100.00% | 85.509% |
| 62         | 6.353 | 6.336 | 6.374 | VV | 11779   | 172086    | 0.06%   | 0.054%  |
| 63         | 6.395 | 6.374 | 6.450 | VV | 5624    | 184866    | 0.07%   | 0.058%  |
| 64         | 6.475 | 6.450 | 6.495 | VV | 3663    | 88316     | 0.03%   | 0.028%  |
| 65         | 6.538 | 6.495 | 6.566 | VV | 15549   | 261233    | 0.10%   | 0.082%  |
| 66         | 6.598 | 6.566 | 6.626 | VV | 4184    | 110934    | 0.04%   | 0.035%  |
| 67         | 6.656 | 6.626 | 6.672 | VV | 2851    | 71940     | 0.03%   | 0.022%  |
| 68         | 6.708 | 6.672 | 6.734 | VV | 10972   | 199934    | 0.07%   | 0.062%  |
| 69         | 6.753 | 6.734 | 6.781 | VV | 3454    | 78359     | 0.03%   | 0.024%  |
| 70         | 6.807 | 6.781 | 6.844 | VV | 3472    | 104162    | 0.04%   | 0.032%  |
| 71         | 6.856 | 6.844 | 6.869 | VV | 2458    | 34108     | 0.01%   | 0.011%  |
| 72         | 6.897 | 6.869 | 6.932 | VV | 11322   | 199294    | 0.07%   | 0.062%  |
| 73         | 6.950 | 6.932 | 6.971 | VV | 3525    | 68556     | 0.03%   | 0.021%  |
| 74         | 6.995 | 6.971 | 7.047 | VV | 7283    | 168792    | 0.06%   | 0.053%  |
| 75         | 7.078 | 7.047 | 7.101 | VV | 2938    | 82097     | 0.03%   | 0.026%  |
| 76         | 7.117 | 7.101 | 7.141 | VV | 4046    | 68580     | 0.03%   | 0.021%  |
| 77         | 7.163 | 7.141 | 7.182 | VV | 2624    | 55008     | 0.02%   | 0.017%  |
| 78         | 7.199 | 7.182 | 7.214 | VV | 2593    | 45423     | 0.02%   | 0.014%  |
| 79         | 7.239 | 7.214 | 7.262 | VV | 3040    | 75019     | 0.03%   | 0.023%  |
| 80         | 7.287 | 7.262 | 7.316 | VV | 5393    | 106260    | 0.04%   | 0.033%  |
| 81         | 7.331 | 7.316 | 7.354 | VV | 2515    | 46050     | 0.02%   | 0.014%  |
| 82         | 7.377 | 7.354 | 7.387 | VV | 2482    | 43644     | 0.02%   | 0.014%  |
| 83         | 7.417 | 7.387 | 7.466 | VV | 78689   | 953929    | 0.35%   | 0.298%  |
| 84         | 7.476 | 7.466 | 7.504 | VV | 3864    | 78886     | 0.03%   | 0.025%  |
| 85         | 7.534 | 7.504 | 7.556 | VV | 4251    | 102652    | 0.04%   | 0.032%  |
| 86         | 7.571 | 7.556 | 7.614 | VV | 3148    | 90232     | 0.03%   | 0.028%  |
| 87         | 7.632 | 7.614 | 7.651 | VV | 2541    | 52417     | 0.02%   | 0.016%  |
| 88         | 7.680 | 7.651 | 7.699 | VV | 3095    | 75794     | 0.03%   | 0.024%  |
| 89         | 7.708 | 7.699 | 7.720 | VV | 2464    | 29287     | 0.01%   | 0.009%  |

|     |        |        |        |    | rteres.txt |        |       |        |
|-----|--------|--------|--------|----|------------|--------|-------|--------|
| 90  | 7.748  | 7.720  | 7.764  | VV | 4186       | 81057  | 0.03% | 0.025% |
| 91  | 7.803  | 7.764  | 7.831  | VV | 10882      | 185446 | 0.07% | 0.058% |
| 92  | 7.843  | 7.831  | 7.857  | VV | 2812       | 41892  | 0.02% | 0.013% |
| 93  | 7.890  | 7.857  | 7.909  | VV | 4278       | 107421 | 0.04% | 0.034% |
| 94  | 7.925  | 7.909  | 7.961  | VV | 3290       | 90615  | 0.03% | 0.028% |
| 95  | 7.979  | 7.961  | 8.011  | VV | 3830       | 86745  | 0.03% | 0.027% |
| 96  | 8.037  | 8.011  | 8.055  | VV | 4254       | 87414  | 0.03% | 0.027% |
| 97  | 8.073  | 8.055  | 8.107  | VV | 5189       | 110787 | 0.04% | 0.035% |
| 98  | 8.124  | 8.107  | 8.144  | VV | 3777       | 62814  | 0.02% | 0.020% |
| 99  | 8.156  | 8.144  | 8.169  | VV | 2362       | 33270  | 0.01% | 0.010% |
| 100 | 8.183  | 8.169  | 8.202  | VV | 2473       | 45700  | 0.02% | 0.014% |
| 101 | 8.217  | 8.202  | 8.237  | VV | 2290       | 42763  | 0.02% | 0.013% |
| 102 | 8.272  | 8.237  | 8.319  | VV | 43300      | 643200 | 0.23% | 0.201% |
| 103 | 8.329  | 8.319  | 8.403  | VV | 4878       | 170988 | 0.06% | 0.053% |
| 104 | 8.422  | 8.403  | 8.459  | VV | 3387       | 92348  | 0.03% | 0.029% |
| 105 | 8.479  | 8.459  | 8.493  | VV | 2659       | 50117  | 0.02% | 0.016% |
| 106 | 8.515  | 8.493  | 8.544  | VV | 10172      | 146336 | 0.05% | 0.046% |
| 107 | 8.582  | 8.544  | 8.599  | VV | 2152       | 64674  | 0.02% | 0.020% |
| 108 | 8.661  | 8.599  | 8.714  | VV | 5292       | 198425 | 0.07% | 0.062% |
| 109 | 8.733  | 8.714  | 8.761  | VV | 2929       | 67871  | 0.02% | 0.021% |
| 110 | 8.797  | 8.761  | 8.849  | VV | 3213       | 129465 | 0.05% | 0.040% |
| 111 | 8.878  | 8.849  | 8.899  | VV | 2146       | 51854  | 0.02% | 0.016% |
| 112 | 8.932  | 8.899  | 8.959  | VV | 5779       | 106443 | 0.04% | 0.033% |
| 113 | 8.992  | 8.959  | 9.046  | VV | 3516       | 121385 | 0.04% | 0.038% |
| 114 | 9.069  | 9.046  | 9.122  | VV | 1998       | 69812  | 0.03% | 0.022% |
| 115 | 9.163  | 9.122  | 9.202  | VV | 4040       | 101091 | 0.04% | 0.032% |
| 116 | 9.248  | 9.202  | 9.272  | VV | 2195       | 69192  | 0.03% | 0.022% |
| 117 | 9.303  | 9.272  | 9.374  | VV | 81114      | 883342 | 0.32% | 0.276% |
| 118 | 9.396  | 9.374  | 9.451  | VV | 1311       | 47666  | 0.02% | 0.015% |
| 119 | 9.490  | 9.451  | 9.502  | VV | 1209       | 32835  | 0.01% | 0.010% |
| 120 | 9.524  | 9.502  | 9.551  | VV | 1786       | 38592  | 0.01% | 0.012% |
| 121 | 9.571  | 9.551  | 9.611  | VV | 1970       | 45417  | 0.02% | 0.014% |
| 122 | 9.621  | 9.611  | 9.629  | VV | 849        | 9011   | 0.00% | 0.003% |
| 123 | 9.656  | 9.629  | 9.706  | VV | 1107       | 38230  | 0.01% | 0.012% |
| 124 | 9.745  | 9.706  | 9.858  | VV | 43499      | 672640 | 0.25% | 0.210% |
| 125 | 9.876  | 9.858  | 9.922  | VV | 1841       | 53657  | 0.02% | 0.017% |
| 126 | 9.954  | 9.922  | 9.984  | VV | 3850       | 76996  | 0.03% | 0.024% |
| 127 | 10.013 | 9.984  | 10.079 | VV | 1109       | 49915  | 0.02% | 0.016% |
| 128 | 10.098 | 10.079 | 10.119 | VV | 854        | 15857  | 0.01% | 0.005% |
| 129 | 10.141 | 10.119 | 10.173 | VV | 710        | 18005  | 0.01% | 0.006% |
| 130 | 10.186 | 10.173 | 10.212 | VV | 566        | 10959  | 0.00% | 0.003% |
| 131 | 10.232 | 10.212 | 10.252 | VV | 642        | 12551  | 0.00% | 0.004% |
| 132 | 10.298 | 10.252 | 10.341 | VV | 1282       | 43838  | 0.02% | 0.014% |
| 133 | 10.377 | 10.341 | 10.404 | VV | 3231       | 54158  | 0.02% | 0.017% |
| 134 | 10.422 | 10.404 | 10.466 | VV | 1103       | 24006  | 0.01% | 0.007% |
| 135 | 10.500 | 10.466 | 10.510 | VV | 472        | 9042   | 0.00% | 0.003% |
| 136 | 10.544 | 10.510 | 10.595 | VV | 1398       | 36565  | 0.01% | 0.011% |
| 137 | 10.622 | 10.595 | 10.675 | VV | 2311       | 47355  | 0.02% | 0.015% |
| 138 | 10.692 | 10.675 | 10.742 | VV | 668        | 16553  | 0.01% | 0.005% |
| 139 | 10.757 | 10.742 | 10.789 | VV | 352        | 6608   | 0.00% | 0.002% |
| 140 | 10.810 | 10.789 | 10.821 | VV | 438        | 4184   | 0.00% | 0.001% |
| 141 | 10.829 | 10.821 | 10.843 | VV | 242        | 2489   | 0.00% | 0.001% |

|     |        |        |        |    | rteres.txt |        |       |        |
|-----|--------|--------|--------|----|------------|--------|-------|--------|
| 142 | 10.854 | 10.843 | 10.885 | VV | 239        | 4195   | 0.00% | 0.001% |
| 143 | 10.914 | 10.885 | 10.981 | VV | 10056      | 133091 | 0.05% | 0.042% |
| 144 | 11.002 | 10.981 | 11.024 | VV | 737        | 10804  | 0.00% | 0.003% |
| 145 | 11.049 | 11.024 | 11.076 | VV | 1485       | 28024  | 0.01% | 0.009% |
| 146 | 11.089 | 11.076 | 11.123 | VV | 988        | 17733  | 0.01% | 0.006% |
| 147 | 11.146 | 11.123 | 11.173 | VV | 840        | 12544  | 0.00% | 0.004% |
| 148 | 11.180 | 11.173 | 11.196 | VV | 301        | 2391   | 0.00% | 0.001% |
| 149 | 11.203 | 11.196 | 11.222 | VV | 218        | 2515   | 0.00% | 0.001% |
| 150 | 11.229 | 11.222 | 11.261 | VV | 224        | 2908   | 0.00% | 0.001% |
| 151 | 11.301 | 11.261 | 11.334 | PV | 46601      | 532555 | 0.19% | 0.166% |
| 152 | 11.359 | 11.334 | 11.394 | VV | 7466       | 97396  | 0.04% | 0.030% |
| 153 | 11.436 | 11.394 | 11.486 | VV | 5127       | 111487 | 0.04% | 0.035% |
| 154 | 11.502 | 11.486 | 11.579 | VV | 1956       | 45328  | 0.02% | 0.014% |
| 155 | 11.606 | 11.579 | 11.620 | VV | 366        | 6147   | 0.00% | 0.002% |
| 156 | 11.669 | 11.620 | 11.722 | VV | 538        | 15912  | 0.01% | 0.005% |
| 157 | 11.752 | 11.722 | 11.767 | VV | 169        | 3706   | 0.00% | 0.001% |
| 158 | 11.773 | 11.767 | 11.791 | VV | 121        | 1249   | 0.00% | 0.000% |
| 159 | 11.832 | 11.791 | 11.882 | PV | 1554       | 23222  | 0.01% | 0.007% |
| 160 | 11.911 | 11.882 | 11.978 | VV | 1071       | 25556  | 0.01% | 0.008% |
| 161 | 12.013 | 11.978 | 12.041 | VV | 1510       | 35052  | 0.01% | 0.011% |
| 162 | 12.061 | 12.041 | 12.104 | VV | 1263       | 20893  | 0.01% | 0.007% |
| 163 | 12.138 | 12.104 | 12.176 | PV | 849        | 16824  | 0.01% | 0.005% |
| 164 | 12.207 | 12.176 | 12.286 | VV | 2130       | 44267  | 0.02% | 0.014% |
| 165 | 12.303 | 12.286 | 12.327 | VV | 844        | 13192  | 0.00% | 0.004% |
| 166 | 12.345 | 12.327 | 12.391 | VV | 2170       | 38982  | 0.01% | 0.012% |
| 167 | 12.422 | 12.391 | 12.474 | VV | 4181       | 83204  | 0.03% | 0.026% |
| 168 | 12.486 | 12.474 | 12.526 | VV | 480        | 8610   | 0.00% | 0.003% |
| 169 | 12.532 | 12.526 | 12.549 | VV | 127        | 1852   | 0.00% | 0.001% |
| 170 | 12.570 | 12.549 | 12.586 | VV | 1191       | 13648  | 0.00% | 0.004% |
| 171 | 12.604 | 12.586 | 12.616 | VV | 1221       | 17660  | 0.01% | 0.006% |
| 172 | 12.644 | 12.616 | 12.679 | VV | 3045       | 70556  | 0.03% | 0.022% |
| 173 | 12.701 | 12.679 | 12.718 | VV | 4420       | 54780  | 0.02% | 0.017% |
| 174 | 12.744 | 12.718 | 12.779 | VV | 32280      | 409068 | 0.15% | 0.128% |
| 175 | 12.792 | 12.779 | 12.809 | VV | 1373       | 19131  | 0.01% | 0.006% |
| 176 | 12.832 | 12.809 | 12.866 | VV | 2043       | 31557  | 0.01% | 0.010% |
| 177 | 12.876 | 12.866 | 12.892 | VV | 263        | 2598   | 0.00% | 0.001% |
| 178 | 12.917 | 12.892 | 12.941 | VV | 1179       | 18722  | 0.01% | 0.006% |
| 179 | 12.958 | 12.941 | 12.992 | VV | 799        | 16177  | 0.01% | 0.005% |
| 180 | 13.032 | 12.992 | 13.057 | VV | 1528       | 27556  | 0.01% | 0.009% |
| 181 | 13.081 | 13.057 | 13.135 | VV | 2326       | 39925  | 0.01% | 0.012% |
| 182 | 13.151 | 13.135 | 13.160 | VV | 225        | 2688   | 0.00% | 0.001% |
| 183 | 13.173 | 13.160 | 13.197 | VV | 307        | 5136   | 0.00% | 0.002% |
| 184 | 13.230 | 13.197 | 13.269 | VV | 499        | 11870  | 0.00% | 0.004% |
| 185 | 13.283 | 13.269 | 13.292 | VV | 542        | 5868   | 0.00% | 0.002% |
| 186 | 13.315 | 13.292 | 13.354 | VV | 3037       | 51241  | 0.02% | 0.016% |
| 187 | 13.365 | 13.354 | 13.381 | VV | 865        | 10817  | 0.00% | 0.003% |
| 188 | 13.401 | 13.381 | 13.464 | VV | 1880       | 36490  | 0.01% | 0.011% |
| 189 | 13.498 | 13.464 | 13.532 | VV | 869        | 18268  | 0.01% | 0.006% |
| 190 | 13.568 | 13.532 | 13.601 | VV | 4744       | 76088  | 0.03% | 0.024% |
| 191 | 13.607 | 13.601 | 13.657 | VV | 491        | 8814   | 0.00% | 0.003% |
| 192 | 13.691 | 13.657 | 13.724 | PV | 1638       | 32366  | 0.01% | 0.010% |
| 193 | 13.730 | 13.724 | 13.769 | VV | 759        | 12615  | 0.00% | 0.004% |
| 194 | 13.778 | 13.769 | 13.819 | VV | 358        | 6385   | 0.00% | 0.002% |

|     |        |        |        |    |            |         |       |        |
|-----|--------|--------|--------|----|------------|---------|-------|--------|
|     |        |        |        |    | rteres.txt |         |       |        |
| 195 | 13.843 | 13.819 | 13.861 | VV | 1638       | 24562   | 0.01% | 0.008% |
| 196 | 13.884 | 13.861 | 13.903 | VV | 3536       | 50111   | 0.02% | 0.016% |
| 197 | 13.918 | 13.903 | 13.951 | VV | 1643       | 27564   | 0.01% | 0.009% |
| 198 | 13.983 | 13.951 | 14.036 | VV | 8595       | 138378  | 0.05% | 0.043% |
| 199 | 14.050 | 14.036 | 14.079 | VV | 853        | 17607   | 0.01% | 0.005% |
| 200 | 14.100 | 14.079 | 14.116 | VV | 1062       | 16131   | 0.01% | 0.005% |
| 201 | 14.137 | 14.116 | 14.174 | VV | 1716       | 31116   | 0.01% | 0.010% |
| 202 | 14.194 | 14.174 | 14.266 | VV | 941        | 26550   | 0.01% | 0.008% |
| 203 | 14.284 | 14.266 | 14.304 | VV | 282        | 4573    | 0.00% | 0.001% |
| 204 | 14.317 | 14.304 | 14.346 | VV | 394        | 5731    | 0.00% | 0.002% |
| 205 | 14.376 | 14.346 | 14.400 | PV | 9472       | 123109  | 0.04% | 0.038% |
| 206 | 14.411 | 14.400 | 14.445 | VV | 2009       | 34013   | 0.01% | 0.011% |
| 207 | 14.470 | 14.445 | 14.502 | VV | 7654       | 96150   | 0.04% | 0.030% |
| 208 | 14.538 | 14.502 | 14.579 | VV | 5914       | 107406  | 0.04% | 0.034% |
| 209 | 14.592 | 14.579 | 14.647 | VV | 1074       | 23797   | 0.01% | 0.007% |
| 210 | 14.667 | 14.647 | 14.677 | VV | 367        | 4300    | 0.00% | 0.001% |
| 211 | 14.715 | 14.677 | 14.806 | VV | 4581       | 103001  | 0.04% | 0.032% |
| 212 | 14.850 | 14.806 | 14.872 | PV | 481        | 8548    | 0.00% | 0.003% |
| 213 | 14.897 | 14.872 | 14.910 | VV | 4538       | 55320   | 0.02% | 0.017% |
| 214 | 14.926 | 14.910 | 14.959 | VV | 5298       | 84101   | 0.03% | 0.026% |
| 215 | 14.980 | 14.959 | 15.004 | VV | 3330       | 55927   | 0.02% | 0.017% |
| 216 | 15.033 | 15.004 | 15.097 | VV | 24473      | 329118  | 0.12% | 0.103% |
| 217 | 15.153 | 15.097 | 15.227 | VV | 99742      | 1276173 | 0.47% | 0.398% |
| 218 | 15.253 | 15.227 | 15.297 | VV | 3031       | 48597   | 0.02% | 0.015% |
| 219 | 15.332 | 15.297 | 15.356 | VV | 34973      | 438804  | 0.16% | 0.137% |
| 220 | 15.376 | 15.356 | 15.394 | VV | 10084      | 127461  | 0.05% | 0.040% |
| 221 | 15.409 | 15.394 | 15.451 | VV | 5553       | 80836   | 0.03% | 0.025% |
| 222 | 15.467 | 15.451 | 15.523 | VV | 685        | 20551   | 0.01% | 0.006% |
| 223 | 15.545 | 15.523 | 15.567 | VV | 464        | 7792    | 0.00% | 0.002% |
| 224 | 15.607 | 15.567 | 15.632 | VV | 971        | 18296   | 0.01% | 0.006% |
| 225 | 15.651 | 15.632 | 15.659 | VV | 374        | 4279    | 0.00% | 0.001% |
| 226 | 15.679 | 15.659 | 15.694 | VV | 309        | 4989    | 0.00% | 0.002% |
| 227 | 15.721 | 15.694 | 15.733 | PV | 522        | 6364    | 0.00% | 0.002% |
| 228 | 15.761 | 15.733 | 15.774 | VV | 769        | 14389   | 0.01% | 0.004% |
| 229 | 15.797 | 15.774 | 15.837 | VV | 4249       | 79622   | 0.03% | 0.025% |
| 230 | 15.855 | 15.837 | 15.890 | VV | 1444       | 20686   | 0.01% | 0.006% |
| 231 | 15.921 | 15.890 | 15.954 | VV | 776        | 11527   | 0.00% | 0.004% |
| 232 | 15.979 | 15.954 | 15.998 | VV | 577        | 7023    | 0.00% | 0.002% |
| 233 | 16.090 | 15.998 | 16.132 | PV | 1493       | 58036   | 0.02% | 0.018% |
| 234 | 16.155 | 16.132 | 16.174 | VV | 571        | 11316   | 0.00% | 0.004% |
| 235 | 16.227 | 16.174 | 16.266 | VV | 4032       | 84148   | 0.03% | 0.026% |
| 236 | 16.312 | 16.266 | 16.331 | VV | 1618       | 41344   | 0.02% | 0.013% |
| 237 | 16.333 | 16.331 | 16.359 | VV | 1337       | 17051   | 0.01% | 0.005% |
| 238 | 16.392 | 16.359 | 16.402 | VV | 3474       | 57647   | 0.02% | 0.018% |
| 239 | 16.413 | 16.402 | 16.434 | VV | 3624       | 51702   | 0.02% | 0.016% |
| 240 | 16.450 | 16.434 | 16.526 | VV | 1657       | 45940   | 0.02% | 0.014% |
| 241 | 16.579 | 16.526 | 16.612 | VV | 38575      | 522444  | 0.19% | 0.163% |
| 242 | 16.629 | 16.612 | 16.666 | VV | 2821       | 40728   | 0.01% | 0.013% |
| 243 | 16.708 | 16.666 | 16.751 | PV | 5864       | 89362   | 0.03% | 0.028% |
| 244 | 16.777 | 16.751 | 16.824 | VV | 16144      | 213309  | 0.08% | 0.067% |
| 245 | 16.836 | 16.824 | 16.857 | VV | 614        | 9406    | 0.00% | 0.003% |
| 246 | 16.875 | 16.857 | 16.913 | VV | 466        | 10921   | 0.00% | 0.003% |

|     |        |        |        |    |            |         |       |        |  |
|-----|--------|--------|--------|----|------------|---------|-------|--------|--|
|     |        |        |        |    | rteres.txt |         |       |        |  |
| 247 | 16.961 | 16.913 | 16.970 | VV | 491        | 12937   | 0.00% | 0.004% |  |
| 248 | 17.003 | 16.970 | 17.046 | VV | 3813       | 62686   | 0.02% | 0.020% |  |
| 249 | 17.080 | 17.046 | 17.182 | VV | 5104       | 106375  | 0.04% | 0.033% |  |
| 250 | 17.225 | 17.182 | 17.253 | PV | 4016       | 55876   | 0.02% | 0.017% |  |
| 251 | 17.290 | 17.253 | 17.346 | VV | 4710       | 122850  | 0.04% | 0.038% |  |
| 252 | 17.376 | 17.346 | 17.404 | VV | 606        | 11965   | 0.00% | 0.004% |  |
| 253 | 17.458 | 17.404 | 17.502 | VV | 21604      | 392532  | 0.14% | 0.122% |  |
| 254 | 17.570 | 17.502 | 17.671 | VV | 228388     | 3341422 | 1.22% | 1.042% |  |
| 255 | 17.701 | 17.671 | 17.718 | VV | 5147       | 84574   | 0.03% | 0.026% |  |
| 256 | 17.744 | 17.718 | 17.782 | VV | 31924      | 435861  | 0.16% | 0.136% |  |
| 257 | 17.824 | 17.782 | 17.844 | VV | 3727       | 73224   | 0.03% | 0.023% |  |
| 258 | 17.862 | 17.844 | 17.883 | VV | 3336       | 56784   | 0.02% | 0.018% |  |
| 259 | 17.912 | 17.883 | 17.968 | VV | 4623       | 100762  | 0.04% | 0.031% |  |
| 260 | 18.063 | 17.968 | 18.101 | PV | 13098      | 209375  | 0.08% | 0.065% |  |
| 261 | 18.113 | 18.101 | 18.149 | VV | 875        | 16280   | 0.01% | 0.005% |  |
| 262 | 18.185 | 18.149 | 18.212 | PV | 4615       | 66012   | 0.02% | 0.021% |  |
| 263 | 18.245 | 18.212 | 18.278 | VV | 6676       | 128041  | 0.05% | 0.040% |  |
| 264 | 18.299 | 18.278 | 18.329 | VV | 6840       | 104320  | 0.04% | 0.033% |  |
| 265 | 18.343 | 18.329 | 18.367 | VV | 881        | 12492   | 0.00% | 0.004% |  |
| 266 | 18.417 | 18.367 | 18.438 | VV | 4242       | 63118   | 0.02% | 0.020% |  |
| 267 | 18.466 | 18.438 | 18.494 | VV | 12940      | 178254  | 0.07% | 0.056% |  |
| 268 | 18.533 | 18.494 | 18.559 | VV | 8021       | 115353  | 0.04% | 0.036% |  |
| 269 | 18.586 | 18.559 | 18.608 | VV | 23678      | 325244  | 0.12% | 0.101% |  |
| 270 | 18.635 | 18.608 | 18.655 | VV | 88821      | 1200008 | 0.44% | 0.374% |  |
| 271 | 18.679 | 18.655 | 18.731 | VV | 228081     | 2913395 | 1.06% | 0.909% |  |
| 272 | 18.755 | 18.731 | 18.766 | VV | 1588       | 30230   | 0.01% | 0.009% |  |
| 273 | 18.785 | 18.766 | 18.797 | VV | 1868       | 30558   | 0.01% | 0.010% |  |
| 274 | 18.862 | 18.797 | 18.887 | VV | 4186       | 154289  | 0.06% | 0.048% |  |
| 275 | 18.906 | 18.887 | 18.916 | VV | 3634       | 44932   | 0.02% | 0.014% |  |
| 276 | 18.935 | 18.916 | 18.977 | VV | 8544       | 122356  | 0.04% | 0.038% |  |
| 277 | 19.050 | 18.977 | 19.071 | PV | 2786       | 64909   | 0.02% | 0.020% |  |
| 278 | 19.113 | 19.071 | 19.134 | VV | 6808       | 125147  | 0.05% | 0.039% |  |
| 279 | 19.162 | 19.134 | 19.199 | VV | 20698      | 358733  | 0.13% | 0.112% |  |
| 280 | 19.242 | 19.199 | 19.259 | VV | 7683       | 215990  | 0.08% | 0.067% |  |
| 281 | 19.319 | 19.259 | 19.338 | VV | 42637      | 883178  | 0.32% | 0.276% |  |
| 282 | 19.375 | 19.338 | 19.432 | VV | 612364     | 9033201 | 3.30% | 2.818% |  |
| 283 | 19.451 | 19.432 | 19.486 | VV | 5695       | 126630  | 0.05% | 0.040% |  |
| 284 | 19.503 | 19.486 | 19.529 | VV | 2931       | 59787   | 0.02% | 0.019% |  |
| 285 | 19.609 | 19.529 | 19.634 | VV | 2678       | 133679  | 0.05% | 0.042% |  |
| 286 | 19.663 | 19.634 | 19.690 | VV | 4196       | 102314  | 0.04% | 0.032% |  |
| 287 | 19.711 | 19.690 | 19.731 | VV | 2981       | 60441   | 0.02% | 0.019% |  |
| 288 | 19.753 | 19.731 | 19.764 | VV | 2194       | 37850   | 0.01% | 0.012% |  |
| 289 | 19.788 | 19.764 | 19.810 | VV | 3222       | 67212   | 0.02% | 0.021% |  |
| 290 | 19.848 | 19.810 | 19.862 | VV | 3784       | 89219   | 0.03% | 0.028% |  |
| 291 | 19.886 | 19.862 | 19.897 | VV | 3968       | 77302   | 0.03% | 0.024% |  |
| 292 | 19.932 | 19.897 | 19.959 | VV | 7663       | 198500  | 0.07% | 0.062% |  |
| 293 | 19.981 | 19.959 | 19.997 | VV | 5031       | 105993  | 0.04% | 0.033% |  |
| 294 | 20.021 | 19.997 | 20.031 | VV | 5066       | 93823   | 0.03% | 0.029% |  |
| 295 | 20.045 | 20.031 | 20.082 | VV | 4989       | 141250  | 0.05% | 0.044% |  |
| 296 | 20.143 | 20.082 | 20.155 | VV | 5552       | 210710  | 0.08% | 0.066% |  |
| 297 | 20.171 | 20.155 | 20.186 | VV | 5425       | 95642   | 0.03% | 0.030% |  |
| 298 | 20.304 | 20.186 | 20.341 | VV | 7677       | 566948  | 0.21% | 0.177% |  |
| 299 | 20.384 | 20.341 | 20.394 | VV | 7091       | 211713  | 0.08% | 0.066% |  |

|     |        |        |        |    |                         |         |           |        |
|-----|--------|--------|--------|----|-------------------------|---------|-----------|--------|
|     |        |        |        |    | rteres.txt              |         |           |        |
| 300 | 20.410 | 20.394 | 20.421 | VV | 6928                    | 109231  | 0.04%     | 0.034% |
| 301 | 20.456 | 20.421 | 20.494 | VV | 6980                    | 290651  | 0.11%     | 0.091% |
| 302 | 20.503 | 20.494 | 20.519 | VV | 6417                    | 92916   | 0.03%     | 0.029% |
| 303 | 20.554 | 20.519 | 20.589 | VV | 7778                    | 275837  | 0.10%     | 0.086% |
| 304 | 20.613 | 20.589 | 20.631 | VV | 6230                    | 148624  | 0.05%     | 0.046% |
| 305 | 20.649 | 20.631 | 20.680 | VV | 5779                    | 163926  | 0.06%     | 0.051% |
| 306 | 20.693 | 20.680 | 20.701 | VV | 5316                    | 63064   | 0.02%     | 0.020% |
| 307 | 20.727 | 20.701 | 20.742 | VV | 6189                    | 139595  | 0.05%     | 0.044% |
| 308 | 20.773 | 20.742 | 20.823 | VV | 6085                    | 249871  | 0.09%     | 0.078% |
| 309 | 20.831 | 20.823 | 20.846 | VV | 3785                    | 49009   | 0.02%     | 0.015% |
| 310 | 20.953 | 20.846 | 21.157 | VV | 66608                   | 2220828 | 0.81%     | 0.693% |
| 311 | 21.171 | 21.157 | 21.207 | VV | 1323                    | 22418   | 0.01%     | 0.007% |
| 312 | 21.304 | 21.207 | 21.337 | PV | 925                     | 25893   | 0.01%     | 0.008% |
|     |        |        |        |    | Sum of corrected areas: |         | 320525764 |        |

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