

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC082418AL\  
 Data File : FC036079.D  
 Signal(s) : FID1A.CH  
 Acq On : 25 Aug 2018 5:15  
 Sample : J4273-01  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\PESTPCBSRV\HPCHEM1\FID\_C\Method\Alaphatic EPH 082118.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         | 3.216       | 3.182        | 3.293      | BV       | 1460           | 21570        | 0.72%          | 0.018%        |
| 2         | 3.336       | 3.293        | 3.375      | PV       | 384            | 8838         | 0.30%          | 0.007%        |
| 3         | 3.417       | 3.375        | 3.436      | VV       | 379            | 8502         | 0.28%          | 0.007%        |
| 4         | 3.477       | 3.436        | 3.509      | VV       | 840            | 14265        | 0.48%          | 0.012%        |
| 5         | 3.542       | 3.509        | 3.571      | VV       | 331            | 5962         | 0.20%          | 0.005%        |
| 6         | 3.588       | 3.571        | 3.629      | VV       | 1151           | 17191        | 0.58%          | 0.015%        |
| 7         | 3.657       | 3.629        | 3.689      | VV       | 695            | 11432        | 0.38%          | 0.010%        |
| 8         | 3.706       | 3.689        | 3.736      | VV       | 825            | 12289        | 0.41%          | 0.010%        |
| 9         | 3.749       | 3.736        | 3.768      | VV       | 801            | 7683         | 0.26%          | 0.006%        |
| 10        | 3.793       | 3.768        | 3.843      | VV       | 1126           | 22929        | 0.77%          | 0.019%        |
| 11        | 3.882       | 3.843        | 3.896      | VV       | 2015           | 24902        | 0.83%          | 0.021%        |
| 12        | 3.909       | 3.896        | 3.931      | VV       | 1528           | 19602        | 0.66%          | 0.017%        |
| 13        | 3.942       | 3.931        | 3.957      | VV       | 744            | 8746         | 0.29%          | 0.007%        |
| 14        | 3.976       | 3.957        | 3.996      | VV       | 1455           | 16403        | 0.55%          | 0.014%        |
| 15        | 4.043       | 3.996        | 4.070      | VV       | 1556           | 28885        | 0.97%          | 0.024%        |
| 16        | 4.084       | 4.070        | 4.158      | VV       | 1084           | 24490        | 0.82%          | 0.021%        |
| 17        | 4.192       | 4.158        | 4.214      | VV       | 606            | 9683         | 0.32%          | 0.008%        |
| 18        | 4.231       | 4.214        | 4.256      | VV       | 780            | 10845        | 0.36%          | 0.009%        |
| 19        | 4.281       | 4.256        | 4.303      | VV       | 4880           | 50480        | 1.69%          | 0.043%        |
| 20        | 4.319       | 4.303        | 4.336      | VV       | 1111           | 12490        | 0.42%          | 0.011%        |
| 21        | 4.348       | 4.336        | 4.372      | VV       | 813            | 11182        | 0.37%          | 0.009%        |
| 22        | 4.382       | 4.372        | 4.409      | VV       | 406            | 5950         | 0.20%          | 0.005%        |
| 23        | 4.433       | 4.409        | 4.461      | VV       | 862            | 17065        | 0.57%          | 0.014%        |
| 24        | 4.476       | 4.461        | 4.491      | VV       | 968            | 14618        | 0.49%          | 0.012%        |
| 25        | 4.498       | 4.491        | 4.518      | VV       | 873            | 12569        | 0.42%          | 0.011%        |
| 26        | 4.534       | 4.518        | 4.549      | VV       | 2026           | 20887        | 0.70%          | 0.018%        |
| 27        | 4.559       | 4.549        | 4.577      | VV       | 1235           | 13904        | 0.47%          | 0.012%        |
| 28        | 4.588       | 4.577        | 4.620      | VV       | 760            | 16883        | 0.56%          | 0.014%        |
| 29        | 4.653       | 4.620        | 4.668      | VV       | 1348           | 21623        | 0.72%          | 0.018%        |
| 30        | 4.685       | 4.668        | 4.716      | VV       | 1345           | 26405        | 0.88%          | 0.022%        |
| 31        | 4.745       | 4.716        | 4.781      | VV       | 1473           | 33104        | 1.11%          | 0.028%        |
| 32        | 4.803       | 4.781        | 4.818      | VV       | 811            | 11953        | 0.40%          | 0.010%        |
| 33        | 4.833       | 4.818        | 4.856      | VV       | 672            | 10057        | 0.34%          | 0.008%        |
| 34        | 4.891       | 4.856        | 4.902      | PV       | 1085           | 17595        | 0.59%          | 0.015%        |
| 35        | 4.919       | 4.902        | 4.942      | VV       | 1743           | 24860        | 0.83%          | 0.021%        |
| 36        | 4.961       | 4.942        | 4.979      | VV       | 1420           | 20356        | 0.68%          | 0.017%        |

| rteres.txt |       |       |       |    |      |        |       |        |
|------------|-------|-------|-------|----|------|--------|-------|--------|
| 37         | 4.992 | 4.979 | 5.005 | VV | 1780 | 19527  | 0.65% | 0.016% |
| 38         | 5.019 | 5.005 | 5.062 | VV | 1592 | 26925  | 0.90% | 0.023% |
| 39         | 5.082 | 5.062 | 5.094 | VV | 576  | 6641   | 0.22% | 0.006% |
| 40         | 5.115 | 5.094 | 5.127 | VV | 905  | 12048  | 0.40% | 0.010% |
|            |       |       |       |    |      |        |       |        |
| 41         | 5.138 | 5.127 | 5.159 | VV | 726  | 12058  | 0.40% | 0.010% |
| 42         | 5.177 | 5.159 | 5.189 | VV | 1099 | 14874  | 0.50% | 0.013% |
| 43         | 5.201 | 5.189 | 5.219 | VV | 1696 | 20171  | 0.68% | 0.017% |
| 44         | 5.229 | 5.219 | 5.284 | VV | 758  | 18901  | 0.63% | 0.016% |
| 45         | 5.316 | 5.284 | 5.417 | VV | 5807 | 112026 | 3.75% | 0.095% |
|            |       |       |       |    |      |        |       |        |
| 46         | 5.432 | 5.417 | 5.449 | VV | 641  | 9385   | 0.31% | 0.008% |
| 47         | 5.459 | 5.449 | 5.469 | VV | 475  | 3992   | 0.13% | 0.003% |
| 48         | 5.493 | 5.469 | 5.527 | VV | 2800 | 42636  | 1.43% | 0.036% |
| 49         | 5.565 | 5.527 | 5.578 | VV | 751  | 18484  | 0.62% | 0.016% |
| 50         | 5.608 | 5.578 | 5.634 | VV | 1611 | 38546  | 1.29% | 0.033% |
|            |       |       |       |    |      |        |       |        |
| 51         | 5.646 | 5.634 | 5.656 | VV | 847  | 8993   | 0.30% | 0.008% |
| 52         | 5.682 | 5.656 | 5.696 | VV | 1152 | 18475  | 0.62% | 0.016% |
| 53         | 5.722 | 5.696 | 5.742 | VV | 858  | 17394  | 0.58% | 0.015% |
| 54         | 5.768 | 5.742 | 5.787 | PV | 1118 | 14330  | 0.48% | 0.012% |
| 55         | 5.819 | 5.787 | 5.837 | VV | 1849 | 30160  | 1.01% | 0.025% |
|            |       |       |       |    |      |        |       |        |
| 56         | 5.858 | 5.837 | 5.888 | VV | 2023 | 38976  | 1.30% | 0.033% |
| 57         | 5.907 | 5.888 | 5.929 | VV | 1503 | 23417  | 0.78% | 0.020% |
| 58         | 5.954 | 5.929 | 5.976 | VV | 1866 | 29958  | 1.00% | 0.025% |
| 59         | 5.997 | 5.976 | 6.021 | VV | 1557 | 33358  | 1.12% | 0.028% |
| 60         | 6.036 | 6.021 | 6.059 | VV | 1619 | 30715  | 1.03% | 0.026% |
|            |       |       |       |    |      |        |       |        |
| 61         | 6.097 | 6.059 | 6.114 | VV | 1476 | 35006  | 1.17% | 0.030% |
| 62         | 6.129 | 6.114 | 6.152 | VV | 1077 | 18709  | 0.63% | 0.016% |
| 63         | 6.173 | 6.152 | 6.186 | VV | 1344 | 18857  | 0.63% | 0.016% |
| 64         | 6.214 | 6.186 | 6.229 | VV | 1687 | 34470  | 1.15% | 0.029% |
| 65         | 6.242 | 6.229 | 6.279 | VV | 1915 | 38263  | 1.28% | 0.032% |
|            |       |       |       |    |      |        |       |        |
| 66         | 6.293 | 6.279 | 6.319 | VV | 2474 | 35596  | 1.19% | 0.030% |
| 67         | 6.330 | 6.319 | 6.352 | VV | 1031 | 15478  | 0.52% | 0.013% |
| 68         | 6.379 | 6.352 | 6.406 | VV | 1480 | 30257  | 1.01% | 0.026% |
| 69         | 6.442 | 6.406 | 6.462 | VV | 3504 | 65889  | 2.21% | 0.056% |
| 70         | 6.478 | 6.462 | 6.501 | VV | 3485 | 46450  | 1.55% | 0.039% |
|            |       |       |       |    |      |        |       |        |
| 71         | 6.513 | 6.501 | 6.526 | VV | 980  | 10703  | 0.36% | 0.009% |
| 72         | 6.547 | 6.526 | 6.582 | VV | 1537 | 39371  | 1.32% | 0.033% |
| 73         | 6.610 | 6.582 | 6.633 | VV | 1943 | 42394  | 1.42% | 0.036% |
| 74         | 6.648 | 6.633 | 6.661 | VV | 1521 | 19124  | 0.64% | 0.016% |
| 75         | 6.683 | 6.661 | 6.706 | VV | 2379 | 42033  | 1.41% | 0.035% |
|            |       |       |       |    |      |        |       |        |
| 76         | 6.712 | 6.706 | 6.726 | VV | 1135 | 11717  | 0.39% | 0.010% |
| 77         | 6.746 | 6.726 | 6.763 | VV | 2133 | 36043  | 1.21% | 0.030% |
| 78         | 6.781 | 6.763 | 6.796 | VV | 2871 | 42417  | 1.42% | 0.036% |
| 79         | 6.810 | 6.796 | 6.827 | VV | 3059 | 43701  | 1.46% | 0.037% |
| 80         | 6.847 | 6.827 | 6.874 | VV | 3583 | 58701  | 1.96% | 0.050% |
|            |       |       |       |    |      |        |       |        |
| 81         | 6.903 | 6.874 | 6.922 | VV | 3316 | 68212  | 2.28% | 0.058% |
| 82         | 6.935 | 6.922 | 6.969 | VV | 2246 | 52673  | 1.76% | 0.044% |
| 83         | 6.995 | 6.969 | 7.026 | VV | 4726 | 105000 | 3.51% | 0.089% |
| 84         | 7.043 | 7.026 | 7.065 | VV | 2874 | 52271  | 1.75% | 0.044% |
| 85         | 7.089 | 7.065 | 7.146 | VV | 3210 | 90019  | 3.01% | 0.076% |
|            |       |       |       |    |      |        |       |        |
| 86         | 7.184 | 7.146 | 7.196 | VV | 2601 | 63195  | 2.11% | 0.053% |
| 87         | 7.213 | 7.196 | 7.235 | VV | 4200 | 65711  | 2.20% | 0.055% |
| 88         | 7.263 | 7.235 | 7.287 | VV | 2301 | 65372  | 2.19% | 0.055% |
| 89         | 7.298 | 7.287 | 7.312 | VV | 2559 | 34203  | 1.14% | 0.029% |

|            |        |        |        |    |       |        |       |        |
|------------|--------|--------|--------|----|-------|--------|-------|--------|
| rteres.txt |        |        |        |    |       |        |       |        |
| 90         | 7.342  | 7.312  | 7.359  | VV | 3003  | 64945  | 2.17% | 0.055% |
| 91         | 7.385  | 7.359  | 7.414  | VV | 4600  | 99321  | 3.32% | 0.084% |
| 92         | 7.430  | 7.414  | 7.449  | VV | 2289  | 35369  | 1.18% | 0.030% |
| 93         | 7.634  | 7.601  | 7.659  | VV | 5836  | 149098 | 4.99% | 0.126% |
| 94         | 7.673  | 7.659  | 7.704  | VV | 3735  | 89162  | 2.98% | 0.075% |
| 95         | 7.733  | 7.704  | 7.745  | VV | 3124  | 68445  | 2.29% | 0.058% |
| 96         | 7.774  | 7.745  | 7.792  | VV | 4383  | 103671 | 3.47% | 0.087% |
| 97         | 7.811  | 7.792  | 7.857  | VV | 5917  | 149484 | 5.00% | 0.126% |
| 98         | 7.877  | 7.857  | 7.885  | VV | 3721  | 52138  | 1.74% | 0.044% |
| 99         | 7.902  | 7.885  | 7.932  | VV | 5302  | 110433 | 3.70% | 0.093% |
| 100        | 7.952  | 7.932  | 7.977  | VV | 5231  | 105047 | 3.52% | 0.089% |
| 101        | 7.995  | 7.977  | 8.010  | VV | 4953  | 78237  | 2.62% | 0.066% |
| 102        | 8.024  | 8.010  | 8.039  | VV | 4400  | 65659  | 2.20% | 0.055% |
| 103        | 8.079  | 8.039  | 8.099  | VV | 6619  | 166318 | 5.57% | 0.140% |
| 104        | 8.135  | 8.099  | 8.162  | VV | 11025 | 211142 | 7.07% | 0.178% |
| 105        | 8.176  | 8.162  | 8.207  | VV | 5723  | 113631 | 3.80% | 0.096% |
| 106        | 8.231  | 8.207  | 8.277  | VV | 11955 | 229791 | 7.69% | 0.194% |
| 107        | 8.293  | 8.277  | 8.306  | VV | 3715  | 56711  | 1.90% | 0.048% |
| 108        | 8.461  | 8.441  | 8.507  | VV | 7230  | 220043 | 7.36% | 0.186% |
| 109        | 8.525  | 8.507  | 8.549  | VV | 10132 | 157345 | 5.27% | 0.133% |
| 110        | 8.588  | 8.549  | 8.602  | VV | 7419  | 169610 | 5.68% | 0.143% |
| 111        | 8.613  | 8.602  | 8.670  | VV | 6134  | 160065 | 5.36% | 0.135% |
| 112        | 8.688  | 8.670  | 8.702  | VV | 5147  | 80012  | 2.68% | 0.068% |
| 113        | 8.716  | 8.702  | 8.732  | VV | 4292  | 70425  | 2.36% | 0.059% |
| 114        | 8.751  | 8.732  | 8.772  | VV | 4254  | 88131  | 2.95% | 0.074% |
| 115        | 8.811  | 8.772  | 8.847  | VV | 4583  | 169301 | 5.67% | 0.143% |
| 116        | 8.897  | 8.847  | 8.957  | VV | 6444  | 239461 | 8.01% | 0.202% |
| 117        | 8.979  | 8.957  | 9.005  | VV | 3350  | 71561  | 2.39% | 0.060% |
| 118        | 9.036  | 9.005  | 9.056  | VV | 3522  | 76615  | 2.56% | 0.065% |
| 119        | 9.093  | 9.056  | 9.115  | VV | 3607  | 95546  | 3.20% | 0.081% |
| 120        | 9.130  | 9.115  | 9.151  | VV | 2248  | 45745  | 1.53% | 0.039% |
| 121        | 9.173  | 9.151  | 9.182  | VV | 3320  | 49811  | 1.67% | 0.042% |
| 122        | 9.194  | 9.182  | 9.224  | VV | 3061  | 63415  | 2.12% | 0.054% |
| 123        | 9.273  | 9.224  | 9.304  | VV | 5939  | 157458 | 5.27% | 0.133% |
| 124        | 9.330  | 9.304  | 9.374  | VV | 4355  | 118253 | 3.96% | 0.100% |
| 125        | 9.398  | 9.374  | 9.417  | VV | 2372  | 52496  | 1.76% | 0.044% |
| 126        | 9.433  | 9.417  | 9.444  | VV | 2837  | 38282  | 1.28% | 0.032% |
| 127        | 9.453  | 9.444  | 9.479  | VV | 2507  | 38410  | 1.29% | 0.032% |
| 128        | 9.509  | 9.479  | 9.534  | VV | 1714  | 48968  | 1.64% | 0.041% |
| 129        | 9.542  | 9.534  | 9.556  | VV | 1436  | 15938  | 0.53% | 0.013% |
| 130        | 9.582  | 9.556  | 9.596  | VV | 2228  | 43647  | 1.46% | 0.037% |
| 131        | 9.628  | 9.596  | 9.651  | VV | 2171  | 61576  | 2.06% | 0.052% |
| 132        | 9.672  | 9.651  | 9.713  | VV | 5322  | 101401 | 3.39% | 0.086% |
| 133        | 9.727  | 9.713  | 9.756  | VV | 1412  | 33874  | 1.13% | 0.029% |
| 134        | 9.771  | 9.756  | 9.798  | VV | 1557  | 27724  | 0.93% | 0.023% |
| 135        | 9.834  | 9.798  | 9.886  | VV | 1390  | 46756  | 1.56% | 0.039% |
| 136        | 9.902  | 9.886  | 9.932  | VV | 1062  | 21508  | 0.72% | 0.018% |
| 137        | 9.942  | 9.932  | 9.957  | VV | 691   | 9339   | 0.31% | 0.008% |
| 138        | 9.992  | 9.957  | 10.007 | VV | 1382  | 27840  | 0.93% | 0.023% |
| 139        | 10.057 | 10.007 | 10.077 | VV | 3593  | 70859  | 2.37% | 0.060% |
| 140        | 10.097 | 10.077 | 10.110 | VV | 2293  | 34353  | 1.15% | 0.029% |
| 141        | 10.130 | 10.110 | 10.151 | VV | 2499  | 47737  | 1.60% | 0.040% |

|     |        |        |        |    | rteres.txt |         |         |        |
|-----|--------|--------|--------|----|------------|---------|---------|--------|
| 142 | 10.167 | 10.151 | 10.185 | VV | 2281       | 37145   | 1.24%   | 0.031% |
| 143 | 10.199 | 10.185 | 10.222 | VV | 2330       | 34225   | 1.15%   | 0.029% |
| 144 | 10.245 | 10.222 | 10.281 | VV | 2197       | 51545   | 1.73%   | 0.044% |
| 145 | 10.301 | 10.281 | 10.322 | VV | 2490       | 44524   | 1.49%   | 0.038% |
|     |        |        |        |    |            |         |         |        |
| 146 | 10.335 | 10.322 | 10.354 | VV | 1965       | 29821   | 1.00%   | 0.025% |
| 147 | 10.408 | 10.354 | 10.432 | VV | 4882       | 112665  | 3.77%   | 0.095% |
| 148 | 10.477 | 10.432 | 10.512 | VV | 5142       | 129186  | 4.32%   | 0.109% |
| 149 | 10.524 | 10.512 | 10.536 | VV | 1480       | 19262   | 0.64%   | 0.016% |
| 150 | 10.544 | 10.536 | 10.577 | VV | 1362       | 21372   | 0.72%   | 0.018% |
|     |        |        |        |    |            |         |         |        |
| 151 | 10.601 | 10.577 | 10.621 | VV | 1095       | 22917   | 0.77%   | 0.019% |
| 152 | 10.644 | 10.621 | 10.697 | VV | 9943       | 163311  | 5.47%   | 0.138% |
| 153 | 10.720 | 10.697 | 10.766 | VV | 5897       | 109079  | 3.65%   | 0.092% |
| 154 | 10.797 | 10.766 | 10.807 | VV | 1401       | 28814   | 0.96%   | 0.024% |
| 155 | 10.822 | 10.807 | 10.846 | VV | 1399       | 18695   | 0.63%   | 0.016% |
|     |        |        |        |    |            |         |         |        |
| 156 | 10.859 | 10.846 | 10.880 | VV | 1109       | 14747   | 0.49%   | 0.012% |
| 157 | 10.897 | 10.880 | 10.913 | VV | 624        | 10667   | 0.36%   | 0.009% |
| 158 | 10.956 | 10.913 | 10.976 | VV | 1789       | 36857   | 1.23%   | 0.031% |
| 159 | 11.007 | 10.976 | 11.018 | VV | 1057       | 20455   | 0.68%   | 0.017% |
| 160 | 11.036 | 11.018 | 11.060 | VV | 1672       | 33679   | 1.13%   | 0.028% |
|     |        |        |        |    |            |         |         |        |
| 161 | 11.070 | 11.060 | 11.085 | VV | 1502       | 16947   | 0.57%   | 0.014% |
| 162 | 11.107 | 11.085 | 11.151 | VV | 4125       | 81605   | 2.73%   | 0.069% |
| 163 | 11.193 | 11.151 | 11.222 | VV | 3749       | 98678   | 3.30%   | 0.083% |
| 164 | 11.239 | 11.222 | 11.272 | VV | 1592       | 25758   | 0.86%   | 0.022% |
| 165 | 11.296 | 11.272 | 11.319 | VV | 2262       | 33003   | 1.10%   | 0.028% |
|     |        |        |        |    |            |         |         |        |
| 166 | 11.333 | 11.319 | 11.362 | VV | 896        | 12351   | 0.41%   | 0.010% |
| 167 | 11.413 | 11.362 | 11.457 | PV | 267353     | 2988076 | 100.00% | 2.522% |
| 168 | 11.473 | 11.457 | 11.519 | VV | 4245       | 76371   | 2.56%   | 0.064% |
| 169 | 11.554 | 11.519 | 11.574 | VV | 8590       | 134584  | 4.50%   | 0.114% |
| 170 | 11.590 | 11.574 | 11.606 | VV | 5929       | 78874   | 2.64%   | 0.067% |
|     |        |        |        |    |            |         |         |        |
| 171 | 11.620 | 11.606 | 11.681 | VV | 4550       | 81122   | 2.71%   | 0.068% |
| 172 | 11.704 | 11.681 | 11.724 | PV | 1286       | 19195   | 0.64%   | 0.016% |
| 173 | 11.774 | 11.724 | 11.794 | VV | 4288       | 86971   | 2.91%   | 0.073% |
| 174 | 11.824 | 11.794 | 11.869 | VV | 4661       | 96744   | 3.24%   | 0.082% |
| 175 | 11.879 | 11.869 | 11.892 | VV | 774        | 9746    | 0.33%   | 0.008% |
|     |        |        |        |    |            |         |         |        |
| 176 | 11.915 | 11.892 | 11.954 | VV | 2245       | 48045   | 1.61%   | 0.041% |
| 177 | 11.975 | 11.954 | 12.002 | VV | 2791       | 46271   | 1.55%   | 0.039% |
| 178 | 12.018 | 12.002 | 12.037 | VV | 1161       | 14583   | 0.49%   | 0.012% |
| 179 | 12.056 | 12.037 | 12.074 | VV | 1504       | 22487   | 0.75%   | 0.019% |
| 180 | 12.091 | 12.074 | 12.101 | VV | 1154       | 15329   | 0.51%   | 0.013% |
|     |        |        |        |    |            |         |         |        |
| 181 | 12.121 | 12.101 | 12.147 | VV | 2219       | 41251   | 1.38%   | 0.035% |
| 182 | 12.158 | 12.147 | 12.169 | VV | 1278       | 13138   | 0.44%   | 0.011% |
| 183 | 12.187 | 12.169 | 12.210 | VV | 1899       | 30932   | 1.04%   | 0.026% |
| 184 | 12.230 | 12.210 | 12.267 | VV | 2579       | 47126   | 1.58%   | 0.040% |
| 185 | 12.290 | 12.267 | 12.312 | PV | 1662       | 30286   | 1.01%   | 0.026% |
|     |        |        |        |    |            |         |         |        |
| 186 | 12.338 | 12.312 | 12.358 | VV | 8871       | 119965  | 4.01%   | 0.101% |
| 187 | 12.373 | 12.358 | 12.387 | VV | 3495       | 49589   | 1.66%   | 0.042% |
| 188 | 12.407 | 12.387 | 12.427 | VV | 5608       | 93986   | 3.15%   | 0.079% |
| 189 | 12.450 | 12.427 | 12.497 | VV | 63760      | 767211  | 25.68%  | 0.647% |
| 190 | 12.508 | 12.497 | 12.528 | VV | 1385       | 17231   | 0.58%   | 0.015% |
|     |        |        |        |    |            |         |         |        |
| 191 | 12.550 | 12.528 | 12.566 | VV | 1398       | 16561   | 0.55%   | 0.014% |
| 192 | 12.580 | 12.566 | 12.599 | VV | 2049       | 25718   | 0.86%   | 0.022% |
| 193 | 12.636 | 12.599 | 12.652 | VV | 3252       | 54314   | 1.82%   | 0.046% |
| 194 | 12.691 | 12.652 | 12.721 | VV | 2299       | 59898   | 2.00%   | 0.051% |

|     |        |        |        |    |            |         |        |        |
|-----|--------|--------|--------|----|------------|---------|--------|--------|
|     |        |        |        |    | rteres.txt |         |        |        |
| 195 | 12.745 | 12.721 | 12.786 | VV | 61403      | 786886  | 26.33% | 0.664% |
| 196 | 12.804 | 12.786 | 12.816 | VV | 5001       | 62283   | 2.08%  | 0.053% |
| 197 | 12.852 | 12.816 | 12.878 | VV | 179630     | 2419491 | 80.97% | 2.042% |
| 198 | 12.893 | 12.878 | 12.912 | VV | 10344      | 138430  | 4.63%  | 0.117% |
| 199 | 12.926 | 12.912 | 12.977 | VV | 4112       | 91459   | 3.06%  | 0.077% |
| 200 | 13.020 | 12.977 | 13.052 | PV | 7095       | 128506  | 4.30%  | 0.108% |
| 201 | 13.079 | 13.052 | 13.117 | VV | 5623       | 103784  | 3.47%  | 0.088% |
| 202 | 13.145 | 13.117 | 13.156 | VV | 2734       | 32768   | 1.10%  | 0.028% |
| 203 | 13.171 | 13.156 | 13.185 | VV | 2903       | 40492   | 1.36%  | 0.034% |
| 204 | 13.205 | 13.185 | 13.253 | VV | 5138       | 104049  | 3.48%  | 0.088% |
| 205 | 13.267 | 13.253 | 13.284 | VV | 1591       | 22429   | 0.75%  | 0.019% |
| 206 | 13.334 | 13.284 | 13.371 | VV | 13208      | 237953  | 7.96%  | 0.201% |
| 207 | 13.382 | 13.371 | 13.396 | VV | 1492       | 19374   | 0.65%  | 0.016% |
| 208 | 13.405 | 13.396 | 13.422 | VV | 1850       | 18981   | 0.64%  | 0.016% |
| 209 | 13.444 | 13.422 | 13.464 | VV | 7914       | 105882  | 3.54%  | 0.089% |
| 210 | 13.481 | 13.464 | 13.502 | VV | 8118       | 104551  | 3.50%  | 0.088% |
| 211 | 13.518 | 13.502 | 13.551 | VV | 4117       | 66654   | 2.23%  | 0.056% |
| 212 | 13.607 | 13.551 | 13.631 | VV | 14075      | 254358  | 8.51%  | 0.215% |
| 213 | 13.649 | 13.631 | 13.684 | VV | 6423       | 95171   | 3.19%  | 0.080% |
| 214 | 13.729 | 13.684 | 13.756 | VV | 1433       | 41055   | 1.37%  | 0.035% |
| 215 | 13.796 | 13.756 | 13.806 | PV | 1242       | 19585   | 0.66%  | 0.017% |
| 216 | 13.826 | 13.806 | 13.842 | VV | 2242       | 31256   | 1.05%  | 0.026% |
| 217 | 13.863 | 13.842 | 13.876 | VV | 1037       | 15054   | 0.50%  | 0.013% |
| 218 | 13.893 | 13.876 | 13.907 | VV | 1066       | 15348   | 0.51%  | 0.013% |
| 219 | 13.922 | 13.907 | 13.931 | VV | 861        | 7403    | 0.25%  | 0.006% |
| 220 | 13.958 | 13.931 | 13.977 | VV | 2175       | 37571   | 1.26%  | 0.032% |
| 221 | 14.000 | 13.977 | 14.009 | VV | 2212       | 33917   | 1.14%  | 0.029% |
| 222 | 14.032 | 14.009 | 14.052 | VV | 4274       | 85668   | 2.87%  | 0.072% |
| 223 | 14.066 | 14.052 | 14.084 | VV | 5650       | 76415   | 2.56%  | 0.064% |
| 224 | 14.096 | 14.084 | 14.120 | VV | 4310       | 55631   | 1.86%  | 0.047% |
| 225 | 14.165 | 14.120 | 14.188 | VV | 8104       | 145049  | 4.85%  | 0.122% |
| 226 | 14.212 | 14.188 | 14.221 | VV | 3526       | 52710   | 1.76%  | 0.044% |
| 227 | 14.246 | 14.221 | 14.284 | VV | 7191       | 172688  | 5.78%  | 0.146% |
| 228 | 14.306 | 14.284 | 14.336 | VV | 12662      | 191899  | 6.42%  | 0.162% |
| 229 | 14.373 | 14.336 | 14.395 | VV | 3920       | 94491   | 3.16%  | 0.080% |
| 230 | 14.430 | 14.395 | 14.449 | VV | 3509       | 82238   | 2.75%  | 0.069% |
| 231 | 14.463 | 14.449 | 14.479 | VV | 2805       | 40285   | 1.35%  | 0.034% |
| 232 | 14.492 | 14.479 | 14.534 | VV | 3006       | 58654   | 1.96%  | 0.050% |
| 233 | 14.567 | 14.534 | 14.581 | PV | 2855       | 43969   | 1.47%  | 0.037% |
| 234 | 14.617 | 14.581 | 14.636 | VV | 35569      | 475945  | 15.93% | 0.402% |
| 235 | 14.656 | 14.636 | 14.686 | VV | 36198      | 531756  | 17.80% | 0.449% |
| 236 | 14.704 | 14.686 | 14.737 | VV | 6949       | 124672  | 4.17%  | 0.105% |
| 237 | 14.778 | 14.737 | 14.802 | VV | 12056      | 214651  | 7.18%  | 0.181% |
| 238 | 14.821 | 14.802 | 14.840 | VV | 5363       | 84669   | 2.83%  | 0.071% |
| 239 | 14.851 | 14.840 | 14.883 | VV | 3115       | 53598   | 1.79%  | 0.045% |
| 240 | 14.930 | 14.883 | 14.962 | PV | 4773       | 131006  | 4.38%  | 0.111% |
| 241 | 14.977 | 14.962 | 14.988 | VV | 2609       | 36884   | 1.23%  | 0.031% |
| 242 | 14.998 | 14.988 | 15.016 | VV | 2451       | 30217   | 1.01%  | 0.026% |
| 243 | 15.093 | 15.016 | 15.149 | VV | 9579       | 351175  | 11.75% | 0.296% |
| 244 | 15.163 | 15.149 | 15.176 | VV | 2878       | 39814   | 1.33%  | 0.034% |
| 245 | 15.219 | 15.176 | 15.262 | VV | 7073       | 200304  | 6.70%  | 0.169% |
| 246 | 15.288 | 15.262 | 15.311 | VV | 14367      | 213077  | 7.13%  | 0.180% |

| rteres.txt |        |        |        |    |       |         |        |        |
|------------|--------|--------|--------|----|-------|---------|--------|--------|
| 247        | 15.329 | 15.311 | 15.357 | VV | 7353  | 117335  | 3.93%  | 0.099% |
| 248        | 15.370 | 15.357 | 15.382 | VV | 2494  | 27229   | 0.91%  | 0.023% |
| 249        | 15.453 | 15.382 | 15.506 | VV | 8667  | 292038  | 9.77%  | 0.246% |
| 250        | 15.528 | 15.506 | 15.564 | VV | 3552  | 74598   | 2.50%  | 0.063% |
|            |        |        |        |    |       |         |        |        |
| 251        | 15.586 | 15.564 | 15.597 | VV | 1997  | 31267   | 1.05%  | 0.026% |
| 252        | 15.615 | 15.597 | 15.636 | VV | 4407  | 67566   | 2.26%  | 0.057% |
| 253        | 15.649 | 15.636 | 15.668 | VV | 2672  | 40422   | 1.35%  | 0.034% |
| 254        | 15.721 | 15.668 | 15.749 | VV | 11557 | 234748  | 7.86%  | 0.198% |
| 255        | 15.764 | 15.749 | 15.787 | VV | 3140  | 48618   | 1.63%  | 0.041% |
|            |        |        |        |    |       |         |        |        |
| 256        | 15.798 | 15.787 | 15.806 | VV | 2490  | 18096   | 0.61%  | 0.015% |
| 257        | 15.818 | 15.806 | 15.839 | VV | 1844  | 23189   | 0.78%  | 0.020% |
| 258        | 15.900 | 15.839 | 15.931 | PV | 6227  | 177623  | 5.94%  | 0.150% |
| 259        | 15.994 | 15.931 | 16.016 | VV | 5651  | 202399  | 6.77%  | 0.171% |
| 260        | 16.041 | 16.016 | 16.054 | VV | 5311  | 96504   | 3.23%  | 0.081% |
|            |        |        |        |    |       |         |        |        |
| 261        | 16.092 | 16.054 | 16.127 | VV | 7916  | 230217  | 7.70%  | 0.194% |
| 262        | 16.169 | 16.127 | 16.189 | VV | 47719 | 797546  | 26.69% | 0.673% |
| 263        | 16.198 | 16.189 | 16.234 | VV | 27562 | 400224  | 13.39% | 0.338% |
| 264        | 16.298 | 16.234 | 16.327 | VV | 16364 | 458214  | 15.33% | 0.387% |
| 265        | 16.350 | 16.327 | 16.376 | VV | 9426  | 219515  | 7.35%  | 0.185% |
|            |        |        |        |    |       |         |        |        |
| 266        | 16.394 | 16.376 | 16.414 | VV | 9503  | 164961  | 5.52%  | 0.139% |
| 267        | 16.425 | 16.414 | 16.436 | VV | 7693  | 85554   | 2.86%  | 0.072% |
| 268        | 16.487 | 16.436 | 16.522 | VV | 35524 | 795626  | 26.63% | 0.671% |
| 269        | 16.548 | 16.522 | 16.596 | VV | 42686 | 741924  | 24.83% | 0.626% |
| 270        | 16.670 | 16.596 | 16.695 | VV | 22050 | 815612  | 27.30% | 0.688% |
|            |        |        |        |    |       |         |        |        |
| 271        | 16.712 | 16.695 | 16.731 | VV | 16437 | 272405  | 9.12%  | 0.230% |
| 272        | 16.753 | 16.731 | 16.769 | VV | 11826 | 229745  | 7.69%  | 0.194% |
| 273        | 16.782 | 16.769 | 16.800 | VV | 10649 | 183705  | 6.15%  | 0.155% |
| 274        | 16.820 | 16.800 | 16.833 | VV | 13961 | 219630  | 7.35%  | 0.185% |
| 275        | 16.851 | 16.833 | 16.870 | VV | 13585 | 260980  | 8.73%  | 0.220% |
|            |        |        |        |    |       |         |        |        |
| 276        | 16.886 | 16.870 | 16.899 | VV | 16707 | 249708  | 8.36%  | 0.211% |
| 277        | 16.912 | 16.899 | 16.932 | VV | 16552 | 299700  | 10.03% | 0.253% |
| 278        | 16.957 | 16.932 | 16.975 | VV | 15609 | 352776  | 11.81% | 0.298% |
| 279        | 16.984 | 16.975 | 17.007 | VV | 13427 | 229605  | 7.68%  | 0.194% |
| 280        | 17.052 | 17.007 | 17.098 | VV | 22640 | 851373  | 28.49% | 0.719% |
|            |        |        |        |    |       |         |        |        |
| 281        | 17.123 | 17.098 | 17.157 | VV | 24887 | 620965  | 20.78% | 0.524% |
| 282        | 17.174 | 17.157 | 17.183 | VV | 15590 | 225624  | 7.55%  | 0.190% |
| 283        | 17.211 | 17.183 | 17.231 | VV | 22295 | 503366  | 16.85% | 0.425% |
| 284        | 17.243 | 17.231 | 17.252 | VV | 14207 | 174843  | 5.85%  | 0.148% |
| 285        | 17.274 | 17.252 | 17.311 | VV | 18667 | 528351  | 17.68% | 0.446% |
|            |        |        |        |    |       |         |        |        |
| 286        | 17.328 | 17.311 | 17.367 | VV | 14650 | 417410  | 13.97% | 0.352% |
| 287        | 17.392 | 17.367 | 17.414 | VV | 16451 | 397252  | 13.29% | 0.335% |
| 288        | 17.446 | 17.414 | 17.472 | VV | 19392 | 560510  | 18.76% | 0.473% |
| 289        | 17.487 | 17.472 | 17.496 | VV | 20810 | 256404  | 8.58%  | 0.216% |
| 290        | 17.518 | 17.496 | 17.529 | VV | 23845 | 405634  | 13.58% | 0.342% |
|            |        |        |        |    |       |         |        |        |
| 291        | 17.547 | 17.529 | 17.597 | VV | 31057 | 912432  | 30.54% | 0.770% |
| 292        | 17.677 | 17.597 | 17.699 | VV | 40235 | 1371655 | 45.90% | 1.158% |
| 293        | 17.707 | 17.699 | 17.734 | VV | 27218 | 498027  | 16.67% | 0.420% |
| 294        | 17.742 | 17.734 | 17.757 | VV | 21672 | 260902  | 8.73%  | 0.220% |
| 295        | 17.777 | 17.757 | 17.795 | VV | 20081 | 378228  | 12.66% | 0.319% |
|            |        |        |        |    |       |         |        |        |
| 296        | 17.824 | 17.795 | 17.852 | VV | 24137 | 672800  | 22.52% | 0.568% |
| 297        | 17.864 | 17.852 | 17.882 | VV | 23555 | 377681  | 12.64% | 0.319% |
| 298        | 17.914 | 17.882 | 17.944 | VV | 43090 | 1103593 | 36.93% | 0.931% |
| 299        | 17.976 | 17.944 | 17.994 | VV | 30479 | 774018  | 25.90% | 0.653% |

|     |        |        |        |    |            |         |        |        |
|-----|--------|--------|--------|----|------------|---------|--------|--------|
|     |        |        |        |    | rteres.txt |         |        |        |
| 300 | 18.047 | 17.994 | 18.071 | VV | 46749      | 1344268 | 44.99% | 1.134% |
| 301 | 18.081 | 18.071 | 18.108 | VV | 29732      | 568840  | 19.04% | 0.480% |
| 302 | 18.123 | 18.108 | 18.146 | VV | 24042      | 497928  | 16.66% | 0.420% |
| 303 | 18.166 | 18.146 | 18.205 | VV | 45564      | 1064623 | 35.63% | 0.898% |
| 304 | 18.216 | 18.205 | 18.232 | VV | 24126      | 350408  | 11.73% | 0.296% |
| 305 | 18.296 | 18.232 | 18.318 | VV | 27433      | 1225252 | 41.00% | 1.034% |
| 306 | 18.326 | 18.318 | 18.339 | VV | 23801      | 289578  | 9.69%  | 0.244% |
| 307 | 18.384 | 18.339 | 18.419 | VV | 36225      | 1295136 | 43.34% | 1.093% |
| 308 | 18.427 | 18.419 | 18.441 | VV | 23223      | 291986  | 9.77%  | 0.246% |
| 309 | 18.466 | 18.441 | 18.496 | VV | 38823      | 997371  | 33.38% | 0.842% |
| 310 | 18.518 | 18.496 | 18.564 | VV | 37610      | 1219440 | 40.81% | 1.029% |
| 311 | 18.577 | 18.564 | 18.593 | VV | 27673      | 447774  | 14.99% | 0.378% |
| 312 | 18.610 | 18.593 | 18.626 | VV | 29511      | 521482  | 17.45% | 0.440% |
| 313 | 18.641 | 18.626 | 18.661 | VV | 33676      | 612769  | 20.51% | 0.517% |
| 314 | 18.680 | 18.661 | 18.697 | VV | 33467      | 645105  | 21.59% | 0.544% |
| 315 | 18.792 | 18.697 | 18.829 | VV | 44374      | 2709423 | 90.67% | 2.287% |
| 316 | 18.865 | 18.829 | 18.920 | VV | 39926      | 1808984 | 60.54% | 1.527% |
| 317 | 18.972 | 18.920 | 19.007 | VV | 34576      | 1631188 | 54.59% | 1.377% |
| 318 | 19.013 | 19.007 | 19.048 | VV | 33013      | 765699  | 25.63% | 0.646% |
| 319 | 19.087 | 19.048 | 19.106 | VV | 33561      | 1089147 | 36.45% | 0.919% |
| 320 | 19.171 | 19.106 | 19.194 | VV | 51357      | 2005866 | 67.13% | 1.693% |
| 321 | 19.203 | 19.194 | 19.224 | VV | 39023      | 658228  | 22.03% | 0.555% |
| 322 | 19.235 | 19.224 | 19.249 | VV | 33682      | 488971  | 16.36% | 0.413% |
| 323 | 19.269 | 19.249 | 19.292 | VV | 45680      | 1007474 | 33.72% | 0.850% |
| 324 | 19.335 | 19.292 | 19.362 | VV | 42440      | 1595302 | 53.39% | 1.346% |
| 325 | 19.384 | 19.362 | 19.401 | VV | 43446      | 975674  | 32.65% | 0.823% |
| 326 | 19.409 | 19.401 | 19.436 | VV | 43575      | 850983  | 28.48% | 0.718% |
| 327 | 19.451 | 19.436 | 19.467 | VV | 40878      | 732920  | 24.53% | 0.619% |
| 328 | 19.497 | 19.467 | 19.513 | VV | 44349      | 1174123 | 39.29% | 0.991% |
| 329 | 19.541 | 19.513 | 19.552 | VV | 51744      | 1080741 | 36.17% | 0.912% |
| 330 | 19.560 | 19.552 | 19.604 | VV | 50127      | 1411069 | 47.22% | 1.191% |
| 331 | 19.613 | 19.604 | 19.628 | VV | 45459      | 606138  | 20.29% | 0.512% |
| 332 | 19.644 | 19.628 | 19.653 | VV | 43811      | 602517  | 20.16% | 0.508% |
| 333 | 19.690 | 19.653 | 19.704 | VV | 51003      | 1411567 | 47.24% | 1.191% |
| 334 | 19.712 | 19.704 | 19.737 | VV | 48352      | 901489  | 30.17% | 0.761% |
| 335 | 19.785 | 19.737 | 19.818 | VV | 51699      | 2289899 | 76.63% | 1.933% |
| 336 | 19.835 | 19.818 | 19.867 | VV | 50133      | 1389056 | 46.49% | 1.172% |
| 337 | 19.896 | 19.867 | 19.936 | VV | 56805      | 2071987 | 69.34% | 1.749% |
| 338 | 19.956 | 19.936 | 19.969 | VV | 59891      | 1071975 | 35.88% | 0.905% |
| 339 | 19.982 | 19.969 | 19.996 | VV | 50624      | 788464  | 26.39% | 0.665% |
| 340 | 20.024 | 19.996 | 20.042 | VV | 53938      | 1422286 | 47.60% | 1.200% |
| 341 | 20.058 | 20.042 | 20.081 | VV | 55405      | 1190102 | 39.83% | 1.004% |
| 342 | 20.100 | 20.081 | 20.137 | VV | 58862      | 1839142 | 61.55% | 1.552% |
| 343 | 20.160 | 20.137 | 20.184 | VV | 57093      | 1505855 | 50.40% | 1.271% |
| 344 | 20.204 | 20.184 | 20.214 | VV | 56131      | 977335  | 32.71% | 0.825% |
| 345 | 20.232 | 20.214 | 20.244 | VV | 58918      | 1023390 | 34.25% | 0.864% |
| 346 | 20.259 | 20.244 | 20.307 | VV | 69944      | 2309631 | 77.29% | 1.949% |
| 347 | 20.321 | 20.307 | 20.341 | VV | 61697      | 1179639 | 39.48% | 0.996% |
| 348 | 20.349 | 20.341 | 20.370 | VV | 60829      | 1013821 | 33.93% | 0.856% |
| 349 | 20.375 | 20.370 | 20.394 | VV | 59192      | 801247  | 26.81% | 0.676% |
| 350 | 20.402 | 20.394 | 20.420 | VV | 54992      | 840612  | 28.13% | 0.709% |
| 351 | 20.442 | 20.420 | 20.457 | VV | 56517      | 1153161 | 38.59% | 0.973% |

|     |        |        |        |    |                                   |         |        |        |
|-----|--------|--------|--------|----|-----------------------------------|---------|--------|--------|
|     |        |        |        |    | rteres.txt                        |         |        |        |
| 352 | 20.470 | 20.457 | 20.486 | VV | 55033                             | 911551  | 30.51% | 0.769% |
| 353 | 20.505 | 20.486 | 20.535 | VV | 55695                             | 1498232 | 50.14% | 1.264% |
| 354 | 20.552 | 20.535 | 20.571 | VV | 51296                             | 1048764 | 35.10% | 0.885% |
| 355 | 20.577 | 20.571 | 20.596 | VV | 50620                             | 719137  | 24.07% | 0.607% |
| 356 | 20.610 | 20.596 | 20.651 | VV | 53808                             | 1556568 | 52.09% | 1.314% |
| 357 | 20.657 | 20.651 | 20.692 | VV | 44073                             | 1010703 | 33.82% | 0.853% |
| 358 | 20.703 | 20.692 | 20.732 | VV | 41156                             | 924927  | 30.95% | 0.781% |
| 359 | 20.744 | 20.732 | 20.764 | VV | 38311                             | 705081  | 23.60% | 0.595% |
| 360 | 20.773 | 20.764 | 20.782 | VV | 38271                             | 382792  | 12.81% | 0.323% |
| 361 | 20.792 | 20.782 | 20.805 | VV | 38347                             | 499238  | 16.71% | 0.421% |
| 362 | 20.828 | 20.805 | 20.854 | VV | 40239                             | 1036872 | 34.70% | 0.875% |
| 363 | 20.864 | 20.854 | 20.889 | VV | 37642                             | 727315  | 24.34% | 0.614% |
| 364 | 20.904 | 20.889 | 20.930 | VV | 37270                             | 824640  | 27.60% | 0.696% |
| 365 | 20.948 | 20.930 | 20.971 | VV | 33328                             | 758951  | 25.40% | 0.641% |
| 366 | 21.012 | 20.971 | 21.062 | VV | 34831                             | 1638985 | 54.85% | 1.383% |
| 367 | 21.086 | 21.062 | 21.097 | VV | 26245                             | 503373  | 16.85% | 0.425% |
| 368 | 21.127 | 21.097 | 21.139 | VV | 27487                             | 613105  | 20.52% | 0.517% |
| 369 | 21.149 | 21.139 | 21.168 | VV | 22227                             | 370459  | 12.40% | 0.313% |
| 370 | 21.180 | 21.168 | 21.201 | VV | 21905                             | 397564  | 13.31% | 0.336% |
| 371 | 21.209 | 21.201 | 21.224 | VV | 21507                             | 272706  | 9.13%  | 0.230% |
| 372 | 21.237 | 21.224 | 21.262 | VV | 20270                             | 423204  | 14.16% | 0.357% |
| 373 | 21.275 | 21.262 | 21.357 | VV | 19499                             | 882822  | 29.54% | 0.745% |
| 374 | 21.374 | 21.357 | 21.394 | VV | 15985                             | 260988  | 8.73%  | 0.220% |
| 375 | 21.428 | 21.394 | 21.435 | VV | 12158                             | 228277  | 7.64%  | 0.193% |
| 376 | 21.475 | 21.435 | 21.519 | VV | 15429                             | 474644  | 15.88% | 0.401% |
| 377 | 21.531 | 21.519 | 21.556 | VV | 8853                              | 127540  | 4.27%  | 0.108% |
| 378 | 21.563 | 21.556 | 21.596 | VV | 5653                              | 79972   | 2.68%  | 0.067% |
|     |        |        |        |    | Sum of corrected areas: 118493018 |         |        |        |

Alaphatic EPH 082118.M Mon Aug 27 09:12:54 2018 RPT-1