

rters

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC110420AL\  
Data File : FC050565.D  
Signal(s) : FID1A.CH  
Acq On : 04 Nov 2020 19:09  
Sample : L4596-02  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Alaphatic EPH 110220.M  
Title : GC Extractables

Signal : FID1A.CH

| peak # | R. T. min | Start min | End min | PK TY | peak height | peak area | peak % max. | % of total |
|--------|-----------|-----------|---------|-------|-------------|-----------|-------------|------------|
| 1      | 3.369     | 3.342     | 3.440   | BV    | 990         | 15063     | 0.01%       | 0.002%     |
| 2      | 3.471     | 3.440     | 3.484   | PV    | 355         | 6199      | 0.00%       | 0.001%     |
| 3      | 3.491     | 3.484     | 3.508   | VV    | 355         | 3879      | 0.00%       | 0.000%     |
| 4      | 3.522     | 3.508     | 3.536   | VV    | 256         | 3288      | 0.00%       | 0.000%     |
| 5      | 3.547     | 3.536     | 3.589   | VV    | 370         | 8935      | 0.00%       | 0.001%     |
| 6      | 3.610     | 3.589     | 3.624   | VV    | 315         | 4844      | 0.00%       | 0.001%     |
| 7      | 3.670     | 3.624     | 3.686   | VV    | 644         | 18300     | 0.01%       | 0.002%     |
| 8      | 3.703     | 3.686     | 3.729   | VV    | 1381        | 21846     | 0.01%       | 0.003%     |
| 9      | 3.742     | 3.729     | 3.767   | VV    | 1073        | 15132     | 0.01%       | 0.002%     |
| 10     | 3.783     | 3.767     | 3.802   | VV    | 623         | 9267      | 0.00%       | 0.001%     |
| 11     | 3.815     | 3.802     | 3.831   | VV    | 568         | 6831      | 0.00%       | 0.001%     |
| 12     | 3.839     | 3.831     | 3.851   | VV    | 284         | 2465      | 0.00%       | 0.000%     |
| 13     | 3.868     | 3.851     | 3.906   | VV    | 1543        | 21635     | 0.01%       | 0.002%     |
| 14     | 3.915     | 3.906     | 3.931   | VV    | 455         | 3932      | 0.00%       | 0.000%     |
| 15     | 3.953     | 3.931     | 4.007   | VV    | 1528        | 26450     | 0.01%       | 0.003%     |
| 16     | 4.042     | 4.007     | 4.086   | PV    | 14083       | 203009    | 0.07%       | 0.023%     |
| 17     | 4.102     | 4.086     | 4.161   | VV    | 5521        | 135381    | 0.05%       | 0.016%     |
| 18     | 4.173     | 4.161     | 4.188   | VV    | 1393        | 19562     | 0.01%       | 0.002%     |
| 19     | 4.211     | 4.188     | 4.229   | VV    | 13419       | 152676    | 0.06%       | 0.017%     |
| 20     | 4.238     | 4.229     | 4.336   | VV    | 4280        | 101773    | 0.04%       | 0.012%     |
| 21     | 4.356     | 4.336     | 4.381   | VV    | 799         | 14605     | 0.01%       | 0.002%     |
| 22     | 4.397     | 4.381     | 4.417   | VV    | 1208        | 14420     | 0.01%       | 0.002%     |
| 23     | 4.440     | 4.417     | 4.467   | VV    | 7537        | 73625     | 0.03%       | 0.008%     |
| 24     | 4.487     | 4.467     | 4.502   | VV    | 2156        | 22236     | 0.01%       | 0.003%     |
| 25     | 4.516     | 4.502     | 4.537   | VV    | 1615        | 20176     | 0.01%       | 0.002%     |
| 26     | 4.547     | 4.537     | 4.571   | VV    | 746         | 8715      | 0.00%       | 0.001%     |
| 27     | 4.592     | 4.571     | 4.626   | PV    | 2503        | 34990     | 0.01%       | 0.004%     |
| 28     | 4.666     | 4.626     | 4.684   | VV    | 5525        | 74111     | 0.03%       | 0.008%     |
| 29     | 4.693     | 4.684     | 4.710   | VV    | 3178        | 32144     | 0.01%       | 0.004%     |
| 30     | 4.724     | 4.710     | 4.738   | VV    | 1796        | 18984     | 0.01%       | 0.002%     |
| 31     | 4.779     | 4.738     | 4.809   | VV    | 5637        | 114394    | 0.04%       | 0.013%     |
| 32     | 4.821     | 4.809     | 4.837   | VV    | 3491        | 40196     | 0.01%       | 0.005%     |
| 33     | 4.859     | 4.837     | 4.884   | VV    | 2816        | 55768     | 0.02%       | 0.006%     |
| 34     | 4.899     | 4.884     | 4.908   | VV    | 3447        | 37120     | 0.01%       | 0.004%     |
| 35     | 4.917     | 4.908     | 4.952   | VV    | 3462        | 43679     | 0.02%       | 0.005%     |
| 36     | 4.972     | 4.952     | 4.997   | VV    | 2069        | 28067     | 0.01%       | 0.003%     |

|    |        |        |        |    | rteres |        |        |         |
|----|--------|--------|--------|----|--------|--------|--------|---------|
| 37 | 5. 009 | 4. 997 | 5. 021 | VV | 1053   | 10516  | 0. 00% | 0. 001% |
| 38 | 5. 049 | 5. 021 | 5. 064 | VV | 2290   | 31552  | 0. 01% | 0. 004% |
| 39 | 5. 084 | 5. 064 | 5. 108 | VV | 5148   | 76021  | 0. 03% | 0. 009% |
| 40 | 5. 119 | 5. 108 | 5. 149 | VV | 3492   | 57442  | 0. 02% | 0. 007% |
| 41 | 5. 186 | 5. 149 | 5. 201 | VV | 13068  | 180773 | 0. 07% | 0. 021% |
| 42 | 5. 215 | 5. 201 | 5. 263 | VV | 10487  | 152655 | 0. 06% | 0. 017% |
| 43 | 5. 300 | 5. 263 | 5. 326 | VV | 4861   | 89240  | 0. 03% | 0. 010% |
| 44 | 5. 369 | 5. 326 | 5. 391 | VV | 3703   | 92618  | 0. 03% | 0. 011% |
| 45 | 5. 401 | 5. 391 | 5. 409 | VV | 878    | 8598   | 0. 00% | 0. 001% |
| 46 | 5. 430 | 5. 409 | 5. 454 | VV | 2246   | 31739  | 0. 01% | 0. 004% |
| 47 | 5. 479 | 5. 454 | 5. 497 | PV | 24682  | 250729 | 0. 09% | 0. 029% |
| 48 | 5. 511 | 5. 497 | 5. 529 | VV | 7462   | 94002  | 0. 03% | 0. 011% |
| 49 | 5. 546 | 5. 529 | 5. 582 | VV | 22491  | 245749 | 0. 09% | 0. 028% |
| 50 | 5. 593 | 5. 582 | 5. 615 | VV | 1550   | 25632  | 0. 01% | 0. 003% |
| 51 | 5. 631 | 5. 615 | 5. 646 | VV | 1637   | 22571  | 0. 01% | 0. 003% |
| 52 | 5. 668 | 5. 646 | 5. 684 | VV | 8148   | 94952  | 0. 03% | 0. 011% |
| 53 | 5. 699 | 5. 684 | 5. 737 | VV | 7899   | 117722 | 0. 04% | 0. 013% |
| 54 | 5. 767 | 5. 737 | 5. 802 | VV | 8740   | 170754 | 0. 06% | 0. 020% |
| 55 | 5. 822 | 5. 802 | 5. 839 | VV | 5149   | 62358  | 0. 02% | 0. 007% |
| 56 | 5. 858 | 5. 839 | 5. 877 | VV | 7305   | 93233  | 0. 03% | 0. 011% |
| 57 | 5. 893 | 5. 877 | 5. 915 | VV | 3432   | 52099  | 0. 02% | 0. 006% |
| 58 | 5. 934 | 5. 915 | 5. 959 | VV | 4455   | 56027  | 0. 02% | 0. 006% |
| 59 | 5. 982 | 5. 959 | 6. 009 | PV | 4397   | 72769  | 0. 03% | 0. 008% |
| 60 | 6. 035 | 6. 009 | 6. 055 | VV | 9380   | 129654 | 0. 05% | 0. 015% |
| 61 | 6. 076 | 6. 055 | 6. 098 | VV | 6157   | 88638  | 0. 03% | 0. 010% |
| 62 | 6. 120 | 6. 098 | 6. 146 | VV | 7017   | 77885  | 0. 03% | 0. 009% |
| 63 | 6. 178 | 6. 146 | 6. 196 | VV | 8140   | 137436 | 0. 05% | 0. 016% |
| 64 | 6. 212 | 6. 196 | 6. 235 | VV | 3556   | 60334  | 0. 02% | 0. 007% |
| 65 | 6. 251 | 6. 235 | 6. 277 | VV | 4305   | 63189  | 0. 02% | 0. 007% |
| 66 | 6. 303 | 6. 277 | 6. 321 | VV | 5529   | 84307  | 0. 03% | 0. 010% |
| 67 | 6. 344 | 6. 321 | 6. 366 | VV | 3940   | 73132  | 0. 03% | 0. 008% |
| 68 | 6. 403 | 6. 366 | 6. 431 | VV | 7214   | 135861 | 0. 05% | 0. 016% |
| 69 | 6. 461 | 6. 431 | 6. 477 | VV | 38296  | 412927 | 0. 15% | 0. 047% |
| 70 | 6. 487 | 6. 477 | 6. 538 | VV | 13276  | 221206 | 0. 08% | 0. 025% |
| 71 | 6. 555 | 6. 538 | 6. 565 | VV | 3092   | 40266  | 0. 01% | 0. 005% |
| 72 | 6. 578 | 6. 565 | 6. 589 | VV | 3955   | 47224  | 0. 02% | 0. 005% |
| 73 | 6. 609 | 6. 589 | 6. 631 | VV | 14190  | 172702 | 0. 06% | 0. 020% |
| 74 | 6. 662 | 6. 631 | 6. 702 | VV | 4997   | 125551 | 0. 05% | 0. 014% |
| 75 | 6. 744 | 6. 702 | 6. 764 | VV | 7408   | 123379 | 0. 04% | 0. 014% |
| 76 | 6. 804 | 6. 764 | 6. 833 | VV | 6500   | 151315 | 0. 06% | 0. 017% |
| 77 | 6. 868 | 6. 833 | 6. 892 | VV | 19577  | 240689 | 0. 09% | 0. 028% |
| 78 | 6. 905 | 6. 892 | 6. 919 | VV | 2300   | 29659  | 0. 01% | 0. 003% |
| 79 | 6. 938 | 6. 919 | 6. 949 | VV | 4984   | 63033  | 0. 02% | 0. 007% |
| 80 | 6. 979 | 6. 949 | 7. 003 | VV | 7605   | 170818 | 0. 06% | 0. 020% |
| 81 | 7. 024 | 7. 003 | 7. 046 | VV | 9912   | 139001 | 0. 05% | 0. 016% |
| 82 | 7. 065 | 7. 046 | 7. 072 | VV | 8359   | 88831  | 0. 03% | 0. 010% |
| 83 | 7. 092 | 7. 072 | 7. 147 | VV | 23835  | 479682 | 0. 17% | 0. 055% |
| 84 | 7. 165 | 7. 147 | 7. 208 | VV | 12039  | 197147 | 0. 07% | 0. 023% |
| 85 | 7. 231 | 7. 208 | 7. 248 | VV | 5073   | 83519  | 0. 03% | 0. 010% |
| 86 | 7. 277 | 7. 248 | 7. 331 | VV | 30400  | 551327 | 0. 20% | 0. 063% |
| 87 | 7. 385 | 7. 331 | 7. 417 | VV | 55899  | 843975 | 0. 31% | 0. 097% |
| 88 | 7. 433 | 7. 417 | 7. 452 | VV | 6947   | 101735 | 0. 04% | 0. 012% |
| 89 | 7. 476 | 7. 452 | 7. 534 | VV | 15794  | 326025 | 0. 12% | 0. 037% |

|     |         |         |         |    | rteres |         |        |         |
|-----|---------|---------|---------|----|--------|---------|--------|---------|
| 90  | 7. 563  | 7. 534  | 7. 579  | VV | 12257  | 181217  | 0. 07% | 0. 021% |
| 91  | 7. 587  | 7. 579  | 7. 604  | VV | 5999   | 70583   | 0. 03% | 0. 008% |
| 92  | 7. 618  | 7. 604  | 7. 636  | VV | 4716   | 55169   | 0. 02% | 0. 006% |
| 93  | 7. 663  | 7. 636  | 7. 672  | VV | 2353   | 32419   | 0. 01% | 0. 004% |
| 94  | 7. 711  | 7. 672  | 7. 740  | VV | 7892   | 200046  | 0. 07% | 0. 023% |
| 95  | 7. 756  | 7. 740  | 7. 794  | VV | 8026   | 151140  | 0. 05% | 0. 017% |
| 96  | 7. 840  | 7. 794  | 7. 852  | VV | 7909   | 196167  | 0. 07% | 0. 022% |
| 97  | 7. 865  | 7. 852  | 7. 885  | VV | 7474   | 99552   | 0. 04% | 0. 011% |
| 98  | 7. 908  | 7. 885  | 7. 932  | VV | 9594   | 135001  | 0. 05% | 0. 015% |
| 99  | 7. 954  | 7. 932  | 7. 976  | VV | 10410  | 143219  | 0. 05% | 0. 016% |
| 100 | 8. 002  | 7. 976  | 8. 044  | VV | 10831  | 253231  | 0. 09% | 0. 029% |
| 101 | 8. 078  | 8. 044  | 8. 100  | VV | 15147  | 211311  | 0. 08% | 0. 024% |
| 102 | 8. 112  | 8. 100  | 8. 133  | VV | 3566   | 59184   | 0. 02% | 0. 007% |
| 103 | 8. 194  | 8. 133  | 8. 236  | VV | 113650 | 1544889 | 0. 56% | 0. 177% |
| 104 | 8. 257  | 8. 236  | 8. 289  | VV | 59028  | 773527  | 0. 28% | 0. 089% |
| 105 | 8. 323  | 8. 289  | 8. 347  | VV | 28639  | 452485  | 0. 16% | 0. 052% |
| 106 | 8. 369  | 8. 347  | 8. 391  | VV | 7465   | 156136  | 0. 06% | 0. 018% |
| 107 | 8. 427  | 8. 391  | 8. 439  | VV | 5958   | 120023  | 0. 04% | 0. 014% |
| 108 | 8. 451  | 8. 439  | 8. 464  | VV | 6673   | 75666   | 0. 03% | 0. 009% |
| 109 | 8. 485  | 8. 464  | 8. 520  | VV | 9089   | 177017  | 0. 06% | 0. 020% |
| 110 | 8. 573  | 8. 520  | 8. 603  | VV | 17017  | 336490  | 0. 12% | 0. 039% |
| 111 | 8. 633  | 8. 603  | 8. 649  | VV | 7803   | 166335  | 0. 06% | 0. 019% |
| 112 | 8. 678  | 8. 649  | 8. 692  | VV | 8683   | 179361  | 0. 07% | 0. 021% |
| 113 | 8. 705  | 8. 692  | 8. 734  | VV | 8352   | 175121  | 0. 06% | 0. 020% |
| 114 | 8. 747  | 8. 734  | 8. 772  | VV | 8109   | 140898  | 0. 05% | 0. 016% |
| 115 | 8. 793  | 8. 772  | 8. 824  | VV | 22068  | 312638  | 0. 11% | 0. 036% |
| 116 | 8. 846  | 8. 824  | 8. 888  | VV | 7021   | 158306  | 0. 06% | 0. 018% |
| 117 | 8. 915  | 8. 888  | 8. 933  | VV | 8436   | 145590  | 0. 05% | 0. 017% |
| 118 | 8. 943  | 8. 933  | 8. 972  | VV | 5160   | 89384   | 0. 03% | 0. 010% |
| 119 | 9. 039  | 8. 972  | 9. 057  | VV | 9597   | 267482  | 0. 10% | 0. 031% |
| 120 | 9. 080  | 9. 057  | 9. 111  | VV | 60948  | 742424  | 0. 27% | 0. 085% |
| 121 | 9. 128  | 9. 111  | 9. 151  | VV | 6496   | 109469  | 0. 04% | 0. 013% |
| 122 | 9. 164  | 9. 151  | 9. 202  | VV | 4594   | 96826   | 0. 04% | 0. 011% |
| 123 | 9. 238  | 9. 202  | 9. 257  | VV | 4233   | 88102   | 0. 03% | 0. 010% |
| 124 | 9. 282  | 9. 257  | 9. 300  | VV | 3862   | 75175   | 0. 03% | 0. 009% |
| 125 | 9. 316  | 9. 300  | 9. 332  | VV | 4627   | 62008   | 0. 02% | 0. 007% |
| 126 | 9. 371  | 9. 332  | 9. 394  | VV | 5587   | 128946  | 0. 05% | 0. 015% |
| 127 | 9. 415  | 9. 394  | 9. 434  | VV | 5559   | 93694   | 0. 03% | 0. 011% |
| 128 | 9. 460  | 9. 434  | 9. 514  | VV | 21224  | 462026  | 0. 17% | 0. 053% |
| 129 | 9. 539  | 9. 514  | 9. 564  | VV | 11443  | 213406  | 0. 08% | 0. 024% |
| 130 | 9. 585  | 9. 564  | 9. 604  | VV | 8510   | 136446  | 0. 05% | 0. 016% |
| 131 | 9. 617  | 9. 604  | 9. 625  | VV | 5881   | 67321   | 0. 02% | 0. 008% |
| 132 | 9. 639  | 9. 625  | 9. 670  | VV | 8390   | 141413  | 0. 05% | 0. 016% |
| 133 | 9. 694  | 9. 670  | 9. 725  | VV | 3059   | 74225   | 0. 03% | 0. 009% |
| 134 | 9. 742  | 9. 725  | 9. 758  | VV | 3161   | 45428   | 0. 02% | 0. 005% |
| 135 | 9. 796  | 9. 758  | 9. 837  | VV | 13459  | 304385  | 0. 11% | 0. 035% |
| 136 | 9. 859  | 9. 837  | 9. 911  | VV | 55232  | 692713  | 0. 25% | 0. 079% |
| 137 | 9. 941  | 9. 911  | 9. 954  | VV | 2812   | 63423   | 0. 02% | 0. 007% |
| 138 | 9. 964  | 9. 954  | 10. 012 | VV | 3017   | 51680   | 0. 02% | 0. 006% |
| 139 | 10. 036 | 10. 012 | 10. 062 | PV | 2547   | 45596   | 0. 02% | 0. 005% |
| 140 | 10. 071 | 10. 062 | 10. 104 | VV | 1748   | 34034   | 0. 01% | 0. 004% |
| 141 | 10. 135 | 10. 104 | 10. 157 | VV | 5432   | 76462   | 0. 03% | 0. 009% |

|     |         |         |         |    | rteres  |           |          |          |
|-----|---------|---------|---------|----|---------|-----------|----------|----------|
| 142 | 10. 204 | 10. 157 | 10. 222 | VV | 6181    | 114349    | 0. 04%   | 0. 013%  |
| 143 | 10. 250 | 10. 222 | 10. 281 | VV | 25197   | 410316    | 0. 15%   | 0. 047%  |
| 144 | 10. 298 | 10. 281 | 10. 319 | VV | 7004    | 116219    | 0. 04%   | 0. 013%  |
| 145 | 10. 338 | 10. 319 | 10. 364 | VV | 8966    | 134126    | 0. 05%   | 0. 015%  |
| 146 | 10. 388 | 10. 364 | 10. 423 | VV | 7829    | 138112    | 0. 05%   | 0. 016%  |
| 147 | 10. 441 | 10. 423 | 10. 458 | VV | 2774    | 40846     | 0. 01%   | 0. 005%  |
| 148 | 10. 491 | 10. 458 | 10. 544 | VV | 16964   | 377116    | 0. 14%   | 0. 043%  |
| 149 | 10. 552 | 10. 544 | 10. 567 | VV | 3217    | 39545     | 0. 01%   | 0. 005%  |
| 150 | 10. 598 | 10. 567 | 10. 624 | VV | 52167   | 646872    | 0. 24%   | 0. 074%  |
| 151 | 10. 649 | 10. 624 | 10. 702 | VV | 49231   | 873175    | 0. 32%   | 0. 100%  |
| 152 | 10. 721 | 10. 702 | 10. 751 | VV | 3526    | 80007     | 0. 03%   | 0. 009%  |
| 153 | 10. 765 | 10. 751 | 10. 789 | VV | 2364    | 40166     | 0. 01%   | 0. 005%  |
| 154 | 10. 815 | 10. 789 | 10. 837 | VV | 2932    | 57579     | 0. 02%   | 0. 007%  |
| 155 | 10. 882 | 10. 837 | 10. 907 | VV | 18552   | 460170    | 0. 17%   | 0. 053%  |
| 156 | 10. 940 | 10. 907 | 10. 961 | VV | 10139   | 210937    | 0. 08%   | 0. 024%  |
| 157 | 10. 991 | 10. 961 | 11. 032 | VV | 7100    | 175268    | 0. 06%   | 0. 020%  |
| 158 | 11. 051 | 11. 032 | 11. 071 | VV | 4478    | 61008     | 0. 02%   | 0. 007%  |
| 159 | 11. 105 | 11. 071 | 11. 125 | VV | 5191    | 78381     | 0. 03%   | 0. 009%  |
| 160 | 11. 147 | 11. 125 | 11. 195 | VV | 11090   | 161427    | 0. 06%   | 0. 018%  |
| 161 | 11. 223 | 11. 195 | 11. 251 | PV | 7069    | 102398    | 0. 04%   | 0. 012%  |
| 162 | 11. 302 | 11. 251 | 11. 327 | VV | 47167   | 549124    | 0. 20%   | 0. 063%  |
| 163 | 11. 352 | 11. 327 | 11. 368 | VV | 9016    | 125332    | 0. 05%   | 0. 014%  |
| 164 | 11. 391 | 11. 368 | 11. 417 | VV | 19989   | 280032    | 0. 10%   | 0. 032%  |
| 165 | 11. 434 | 11. 417 | 11. 468 | VV | 8800    | 130700    | 0. 05%   | 0. 015%  |
| 166 | 11. 492 | 11. 468 | 11. 509 | VV | 2408    | 39538     | 0. 01%   | 0. 005%  |
| 167 | 11. 520 | 11. 509 | 11. 532 | VV | 1674    | 13513     | 0. 00%   | 0. 002%  |
| 168 | 11. 546 | 11. 532 | 11. 559 | PV | 857     | 8247      | 0. 00%   | 0. 001%  |
| 169 | 11. 626 | 11. 559 | 11. 651 | PV | 394165  | 4419011   | 1. 61%   | 0. 506%  |
| 170 | 11. 660 | 11. 651 | 11. 680 | VV | 6876    | 87526     | 0. 03%   | 0. 010%  |
| 171 | 11. 700 | 11. 680 | 11. 724 | VV | 9340    | 125382    | 0. 05%   | 0. 014%  |
| 172 | 11. 735 | 11. 724 | 11. 748 | VV | 1494    | 11996     | 0. 00%   | 0. 001%  |
| 173 | 11. 784 | 11. 748 | 11. 804 | VV | 8921    | 139400    | 0. 05%   | 0. 016%  |
| 174 | 11. 863 | 11. 804 | 11. 904 | PV | 70830   | 1138499   | 0. 41%   | 0. 130%  |
| 175 | 11. 926 | 11. 904 | 11. 937 | VV | 3641    | 45885     | 0. 02%   | 0. 005%  |
| 176 | 11. 974 | 11. 937 | 11. 997 | VV | 30459   | 439671    | 0. 16%   | 0. 050%  |
| 177 | 12. 057 | 11. 997 | 12. 079 | VV | 3210992 | 53139371  | 19. 33%  | 6. 086%  |
| 178 | 12. 096 | 12. 079 | 12. 156 | VV | 49917   | 693704    | 0. 25%   | 0. 079%  |
| 179 | 12. 180 | 12. 156 | 12. 192 | VV | 10056   | 152562    | 0. 06%   | 0. 017%  |
| 180 | 12. 315 | 12. 192 | 12. 366 | VV | 580766  | 17613779  | 6. 41%   | 2. 017%  |
| 181 | 12. 381 | 12. 366 | 12. 418 | VV | 39023   | 689849    | 0. 25%   | 0. 079%  |
| 182 | 12. 464 | 12. 418 | 12. 481 | VV | 43347   | 803655    | 0. 29%   | 0. 092%  |
| 183 | 12. 496 | 12. 481 | 12. 539 | VV | 35248   | 591868    | 0. 22%   | 0. 068%  |
| 184 | 12. 563 | 12. 539 | 12. 592 | VV | 10840   | 268856    | 0. 10%   | 0. 031%  |
| 185 | 12. 614 | 12. 592 | 12. 637 | VV | 45205   | 615707    | 0. 22%   | 0. 071%  |
| 186 | 12. 669 | 12. 637 | 12. 682 | VV | 45714   | 703018    | 0. 26%   | 0. 081%  |
| 187 | 12. 697 | 12. 682 | 12. 736 | VV | 60213   | 936760    | 0. 34%   | 0. 107%  |
| 188 | 12. 760 | 12. 736 | 12. 832 | VV | 10817   | 364536    | 0. 13%   | 0. 042%  |
| 189 | 12. 883 | 12. 832 | 12. 897 | VV | 6343    | 142442    | 0. 05%   | 0. 016%  |
| 190 | 12. 933 | 12. 897 | 12. 968 | VV | 12563   | 288750    | 0. 11%   | 0. 033%  |
| 191 | 12. 997 | 12. 968 | 13. 017 | PV | 35545   | 566262    | 0. 21%   | 0. 065%  |
| 192 | 13. 140 | 13. 017 | 13. 159 | VV | 6572473 | 274838751 | 100. 00% | 31. 478% |
| 193 | 13. 194 | 13. 159 | 13. 226 | VV | 6473924 | 147323592 | 53. 60%  | 16. 873% |
| 194 | 13. 251 | 13. 226 | 13. 262 | VV | 60473   | 1034817   | 0. 38%   | 0. 119%  |

| rteres |        |        |        |    |         |          |        |        |  |
|--------|--------|--------|--------|----|---------|----------|--------|--------|--|
| 195    | 13.324 | 13.262 | 13.341 | VV | 2887131 | 54293302 | 19.75% | 6.218% |  |
| 196    | 13.362 | 13.341 | 13.381 | VV | 1394041 | 27876980 | 10.14% | 3.193% |  |
| 197    | 13.402 | 13.381 | 13.444 | VV | 1131547 | 20175914 | 7.34%  | 2.311% |  |
| 198    | 13.464 | 13.444 | 13.474 | VV | 64166   | 1047230  | 0.38%  | 0.120% |  |
| 199    | 13.514 | 13.474 | 13.549 | VV | 283635  | 5296951  | 1.93%  | 0.607% |  |
| 200    | 13.588 | 13.549 | 13.614 | VV | 159805  | 2933810  | 1.07%  | 0.336% |  |
| 201    | 13.628 | 13.614 | 13.651 | VV | 47378   | 831597   | 0.30%  | 0.095% |  |
| 202    | 13.690 | 13.651 | 13.706 | VV | 63891   | 1349477  | 0.49%  | 0.155% |  |
| 203    | 13.721 | 13.706 | 13.749 | VV | 46962   | 853251   | 0.31%  | 0.098% |  |
| 204    | 13.790 | 13.749 | 13.802 | VV | 39330   | 1003085  | 0.36%  | 0.115% |  |
| 205    | 13.823 | 13.802 | 13.842 | VV | 68507   | 1312817  | 0.48%  | 0.150% |  |
| 206    | 13.865 | 13.842 | 13.902 | VV | 109982  | 2285323  | 0.83%  | 0.262% |  |
| 207    | 13.935 | 13.902 | 13.977 | VV | 109602  | 2692178  | 0.98%  | 0.308% |  |
| 208    | 13.992 | 13.977 | 14.011 | VV | 26800   | 451337   | 0.16%  | 0.052% |  |
| 209    | 14.054 | 14.011 | 14.075 | VV | 59172   | 1715263  | 0.62%  | 0.196% |  |
| 210    | 14.107 | 14.075 | 14.117 | VV | 188516  | 2869732  | 1.04%  | 0.329% |  |
| 211    | 14.125 | 14.117 | 14.176 | VV | 172162  | 2720468  | 0.99%  | 0.312% |  |
| 212    | 14.221 | 14.176 | 14.245 | VV | 67481   | 2163384  | 0.79%  | 0.248% |  |
| 213    | 14.275 | 14.245 | 14.287 | VV | 150456  | 2509918  | 0.91%  | 0.287% |  |
| 214    | 14.306 | 14.287 | 14.355 | VV | 269789  | 4940247  | 1.80%  | 0.566% |  |
| 215    | 14.384 | 14.355 | 14.419 | VV | 273767  | 4518931  | 1.64%  | 0.518% |  |
| 216    | 14.440 | 14.419 | 14.480 | VV | 232168  | 4900097  | 1.78%  | 0.561% |  |
| 217    | 14.507 | 14.480 | 14.533 | VV | 211850  | 3150233  | 1.15%  | 0.361% |  |
| 218    | 14.558 | 14.533 | 14.582 | VV | 161110  | 2351770  | 0.86%  | 0.269% |  |
| 219    | 14.601 | 14.582 | 14.676 | VV | 92211   | 2109904  | 0.77%  | 0.242% |  |
| 220    | 14.717 | 14.676 | 14.740 | VV | 42822   | 1103441  | 0.40%  | 0.126% |  |
| 221    | 14.764 | 14.740 | 14.793 | VV | 54908   | 1104238  | 0.40%  | 0.126% |  |
| 222    | 14.815 | 14.793 | 14.862 | VV | 31940   | 896726   | 0.33%  | 0.103% |  |
| 223    | 14.919 | 14.862 | 14.953 | VV | 271579  | 5104553  | 1.86%  | 0.585% |  |
| 224    | 14.974 | 14.953 | 14.992 | VV | 27974   | 431682   | 0.16%  | 0.049% |  |
| 225    | 15.010 | 14.992 | 15.019 | VV | 25574   | 347353   | 0.13%  | 0.040% |  |
| 226    | 15.036 | 15.019 | 15.069 | VV | 28246   | 724309   | 0.26%  | 0.083% |  |
| 227    | 15.086 | 15.069 | 15.152 | VV | 21100   | 700840   | 0.26%  | 0.080% |  |
| 228    | 15.193 | 15.152 | 15.211 | VV | 11874   | 320317   | 0.12%  | 0.037% |  |
| 229    | 15.225 | 15.211 | 15.274 | VV | 13437   | 266268   | 0.10%  | 0.030% |  |
| 230    | 15.301 | 15.274 | 15.332 | VV | 40823   | 647695   | 0.24%  | 0.074% |  |
| 231    | 15.350 | 15.332 | 15.372 | VV | 10106   | 166193   | 0.06%  | 0.019% |  |
| 232    | 15.382 | 15.372 | 15.399 | VV | 4252    | 56660    | 0.02%  | 0.006% |  |
| 233    | 15.435 | 15.399 | 15.462 | VV | 34641   | 474813   | 0.17%  | 0.054% |  |
| 234    | 15.496 | 15.462 | 15.531 | VV | 174277  | 2294687  | 0.83%  | 0.263% |  |
| 235    | 15.552 | 15.531 | 15.564 | VV | 8880    | 133459   | 0.05%  | 0.015% |  |
| 236    | 15.577 | 15.564 | 15.601 | VV | 9423    | 153983   | 0.06%  | 0.018% |  |
| 237    | 15.609 | 15.601 | 15.627 | VV | 5038    | 55325    | 0.02%  | 0.006% |  |
| 238    | 15.665 | 15.627 | 15.684 | VV | 10380   | 185897   | 0.07%  | 0.021% |  |
| 239    | 15.696 | 15.684 | 15.749 | VV | 7803    | 214705   | 0.08%  | 0.025% |  |
| 240    | 15.757 | 15.749 | 15.777 | VV | 4489    | 54030    | 0.02%  | 0.006% |  |
| 241    | 15.851 | 15.777 | 15.864 | VV | 4650    | 175605   | 0.06%  | 0.020% |  |
| 242    | 15.935 | 15.864 | 15.960 | VV | 36917   | 630112   | 0.23%  | 0.072% |  |
| 243    | 15.994 | 15.960 | 16.040 | VV | 26230   | 435755   | 0.16%  | 0.050% |  |
| 244    | 16.060 | 16.040 | 16.072 | VV | 1954    | 26923    | 0.01%  | 0.003% |  |
| 245    | 16.115 | 16.072 | 16.122 | VV | 4840    | 78533    | 0.03%  | 0.009% |  |
| 246    | 16.141 | 16.122 | 16.176 | VV | 5364    | 110716   | 0.04%  | 0.013% |  |

|     |        |        |        |    | rteres |         |       |        |
|-----|--------|--------|--------|----|--------|---------|-------|--------|
| 247 | 16.244 | 16.176 | 16.276 | PV | 6719   | 200855  | 0.07% | 0.023% |
| 248 | 16.313 | 16.276 | 16.334 | VV | 7569   | 173126  | 0.06% | 0.020% |
| 249 | 16.349 | 16.334 | 16.384 | VV | 8133   | 119932  | 0.04% | 0.014% |
| 250 | 16.432 | 16.384 | 16.456 | PV | 40749  | 959036  | 0.35% | 0.110% |
| 251 | 16.478 | 16.456 | 16.527 | VV | 60985  | 928777  | 0.34% | 0.106% |
| 252 | 16.573 | 16.527 | 16.594 | VV | 12800  | 273200  | 0.10% | 0.031% |
| 253 | 16.602 | 16.594 | 16.609 | VV | 4828   | 36662   | 0.01% | 0.004% |
| 254 | 16.649 | 16.609 | 16.676 | VV | 5493   | 155523  | 0.06% | 0.018% |
| 255 | 16.722 | 16.676 | 16.732 | PV | 6728   | 136217  | 0.05% | 0.016% |
| 256 | 16.760 | 16.732 | 16.794 | VV | 20333  | 319309  | 0.12% | 0.037% |
| 257 | 16.819 | 16.794 | 16.837 | VV | 24933  | 306578  | 0.11% | 0.035% |
| 258 | 16.848 | 16.837 | 16.862 | VV | 10386  | 131230  | 0.05% | 0.015% |
| 259 | 16.884 | 16.862 | 16.903 | VV | 35773  | 450247  | 0.16% | 0.052% |
| 260 | 16.920 | 16.903 | 16.977 | VV | 15093  | 360458  | 0.13% | 0.041% |
| 261 | 16.988 | 16.977 | 17.009 | VV | 3522   | 45990   | 0.02% | 0.005% |
| 262 | 17.068 | 17.009 | 17.101 | VV | 5936   | 235171  | 0.09% | 0.027% |
| 263 | 17.141 | 17.101 | 17.156 | VV | 9958   | 213751  | 0.08% | 0.024% |
| 264 | 17.178 | 17.156 | 17.192 | VV | 10017  | 175703  | 0.06% | 0.020% |
| 265 | 17.211 | 17.192 | 17.244 | VV | 16478  | 295887  | 0.11% | 0.034% |
| 266 | 17.266 | 17.244 | 17.286 | VV | 8487   | 151715  | 0.06% | 0.017% |
| 267 | 17.332 | 17.286 | 17.362 | VV | 38816  | 749789  | 0.27% | 0.086% |
| 268 | 17.389 | 17.362 | 17.433 | VV | 10486  | 268453  | 0.10% | 0.031% |
| 269 | 17.470 | 17.433 | 17.497 | VV | 9732   | 223501  | 0.08% | 0.026% |
| 270 | 17.519 | 17.497 | 17.557 | VV | 9064   | 179758  | 0.07% | 0.021% |
| 271 | 17.564 | 17.557 | 17.582 | VV | 3202   | 20370   | 0.01% | 0.002% |
| 272 | 17.616 | 17.582 | 17.636 | PV | 9230   | 198869  | 0.07% | 0.023% |
| 273 | 17.660 | 17.636 | 17.689 | VV | 13923  | 297302  | 0.11% | 0.034% |
| 274 | 17.704 | 17.689 | 17.734 | VV | 11967  | 218057  | 0.08% | 0.025% |
| 275 | 17.773 | 17.734 | 17.828 | VV | 46172  | 1022056 | 0.37% | 0.117% |
| 276 | 17.858 | 17.828 | 17.880 | VV | 16717  | 392194  | 0.14% | 0.045% |
| 277 | 17.928 | 17.880 | 17.951 | VV | 46993  | 1109068 | 0.40% | 0.127% |
| 278 | 17.961 | 17.951 | 17.997 | VV | 23751  | 513404  | 0.19% | 0.059% |
| 279 | 18.048 | 17.997 | 18.065 | VV | 17330  | 574608  | 0.21% | 0.066% |
| 280 | 18.133 | 18.065 | 18.159 | VV | 30195  | 1094888 | 0.40% | 0.125% |
| 281 | 18.195 | 18.159 | 18.234 | VV | 66641  | 1347807 | 0.49% | 0.154% |
| 282 | 18.242 | 18.234 | 18.256 | VV | 14327  | 158938  | 0.06% | 0.018% |
| 283 | 18.295 | 18.256 | 18.317 | VV | 35341  | 827972  | 0.30% | 0.095% |
| 284 | 18.329 | 18.317 | 18.347 | VV | 28012  | 435786  | 0.16% | 0.050% |
| 285 | 18.364 | 18.347 | 18.395 | VV | 24601  | 589993  | 0.21% | 0.068% |
| 286 | 18.452 | 18.395 | 18.516 | VV | 38243  | 1751276 | 0.64% | 0.201% |
| 287 | 18.601 | 18.516 | 18.661 | VV | 80949  | 2923559 | 1.06% | 0.335% |
| 288 | 18.727 | 18.661 | 18.749 | VV | 57006  | 1977467 | 0.72% | 0.226% |
| 289 | 18.766 | 18.749 | 18.807 | VV | 50651  | 1496298 | 0.54% | 0.171% |
| 290 | 18.864 | 18.807 | 18.901 | VV | 44238  | 2213637 | 0.81% | 0.254% |
| 291 | 18.919 | 18.901 | 18.936 | VV | 41123  | 831217  | 0.30% | 0.095% |
| 292 | 18.973 | 18.936 | 18.988 | VV | 90686  | 2038001 | 0.74% | 0.233% |
| 293 | 19.002 | 18.988 | 19.027 | VV | 86820  | 1590172 | 0.58% | 0.182% |
| 294 | 19.056 | 19.027 | 19.077 | VV | 52233  | 1444822 | 0.53% | 0.165% |
| 295 | 19.122 | 19.077 | 19.134 | VV | 68296  | 1827326 | 0.66% | 0.209% |
| 296 | 19.144 | 19.134 | 19.156 | VV | 59862  | 740200  | 0.27% | 0.085% |
| 297 | 19.249 | 19.156 | 19.265 | VV | 69300  | 3956342 | 1.44% | 0.453% |
| 298 | 19.282 | 19.265 | 19.331 | VV | 66910  | 2473283 | 0.90% | 0.283% |
| 299 | 19.387 | 19.331 | 19.412 | VV | 93111  | 3569263 | 1.30% | 0.409% |

|     |        |        |        |    |        |         |       | rteres |  |
|-----|--------|--------|--------|----|--------|---------|-------|--------|--|
| 300 | 19.429 | 19.412 | 19.451 | VV | 75692  | 1590320 | 0.58% | 0.182% |  |
| 301 | 19.463 | 19.451 | 19.472 | VV | 73754  | 857813  | 0.31% | 0.098% |  |
| 302 | 19.522 | 19.472 | 19.557 | VV | 90476  | 4017253 | 1.46% | 0.460% |  |
| 303 | 19.583 | 19.557 | 19.607 | VV | 84820  | 2456329 | 0.89% | 0.281% |  |
| 304 | 19.617 | 19.607 | 19.656 | VV | 90256  | 2377830 | 0.87% | 0.272% |  |
| 305 | 19.680 | 19.656 | 19.694 | VV | 87460  | 1906154 | 0.69% | 0.218% |  |
| 306 | 19.761 | 19.694 | 19.803 | VV | 124870 | 6189421 | 2.25% | 0.709% |  |
| 307 | 19.823 | 19.803 | 19.848 | VV | 100813 | 2406045 | 0.88% | 0.276% |  |
| 308 | 19.884 | 19.848 | 19.902 | VV | 104771 | 3052510 | 1.11% | 0.350% |  |
| 309 | 19.911 | 19.902 | 19.922 | VV | 105914 | 1211897 | 0.44% | 0.139% |  |
| 310 | 19.941 | 19.922 | 19.962 | VV | 111720 | 2568742 | 0.93% | 0.294% |  |
| 311 | 19.997 | 19.962 | 20.014 | VV | 121288 | 3408364 | 1.24% | 0.390% |  |
| 312 | 20.054 | 20.014 | 20.078 | VV | 129606 | 4261990 | 1.55% | 0.488% |  |
| 313 | 20.129 | 20.078 | 20.164 | VV | 138240 | 6031743 | 2.19% | 0.691% |  |
| 314 | 20.228 | 20.164 | 20.244 | VV | 138848 | 6074136 | 2.21% | 0.696% |  |
| 315 | 20.273 | 20.244 | 20.302 | VV | 145293 | 4950719 | 1.80% | 0.567% |  |
| 316 | 20.307 | 20.302 | 20.317 | VV | 137549 | 1215301 | 0.44% | 0.139% |  |
| 317 | 20.329 | 20.317 | 20.339 | VV | 135761 | 1797065 | 0.65% | 0.206% |  |
| 318 | 20.347 | 20.339 | 20.356 | VV | 136575 | 1304928 | 0.47% | 0.149% |  |
| 319 | 20.362 | 20.356 | 20.380 | VV | 133904 | 1863798 | 0.68% | 0.213% |  |
| 320 | 20.396 | 20.380 | 20.412 | VV | 128278 | 2410453 | 0.88% | 0.276% |  |
| 321 | 20.446 | 20.412 | 20.456 | VV | 130744 | 3235399 | 1.18% | 0.371% |  |
| 322 | 20.486 | 20.456 | 20.534 | VV | 156364 | 6502978 | 2.37% | 0.745% |  |
| 323 | 20.555 | 20.534 | 20.579 | VV | 137230 | 3547425 | 1.29% | 0.406% |  |
| 324 | 20.594 | 20.579 | 20.639 | VV | 132699 | 4142810 | 1.51% | 0.474% |  |
| 325 | 20.656 | 20.639 | 20.676 | VV | 94231  | 2047236 | 0.74% | 0.234% |  |
| 326 | 20.766 | 20.676 | 20.775 | VV | 117522 | 6081716 | 2.21% | 0.697% |  |
| 327 | 20.788 | 20.775 | 20.831 | VV | 119651 | 3511660 | 1.28% | 0.402% |  |
| 328 | 20.875 | 20.831 | 20.902 | VV | 114699 | 4392289 | 1.60% | 0.503% |  |
| 329 | 20.913 | 20.902 | 20.980 | VV | 94906  | 3862122 | 1.41% | 0.442% |  |
| 330 | 21.009 | 20.980 | 21.022 | VV | 80448  | 1923459 | 0.70% | 0.220% |  |
| 331 | 21.036 | 21.022 | 21.043 | VV | 83357  | 1014351 | 0.37% | 0.116% |  |
| 332 | 21.052 | 21.043 | 21.061 | VV | 86904  | 847642  | 0.31% | 0.097% |  |
| 333 | 21.071 | 21.061 | 21.079 | VV | 86161  | 914514  | 0.33% | 0.105% |  |
| 334 | 21.093 | 21.079 | 21.109 | VV | 82319  | 1436876 | 0.52% | 0.165% |  |
| 335 | 21.123 | 21.109 | 21.217 | VV | 83342  | 4116826 | 1.50% | 0.472% |  |
| 336 | 21.245 | 21.217 | 21.259 | VV | 57305  | 1256170 | 0.46% | 0.144% |  |
| 337 | 21.315 | 21.259 | 21.352 | VV | 66102  | 2972707 | 1.08% | 0.340% |  |
| 338 | 21.361 | 21.352 | 21.371 | VV | 46717  | 493812  | 0.18% | 0.057% |  |
| 339 | 21.435 | 21.371 | 21.524 | VV | 66530  | 4991117 | 1.82% | 0.572% |  |
| 340 | 21.530 | 21.524 | 21.632 | VV | 44294  | 1801162 | 0.66% | 0.206% |  |
| 341 | 21.647 | 21.632 | 21.671 | VV | 18418  | 335843  | 0.12% | 0.038% |  |
| 342 | 21.684 | 21.671 | 21.717 | VV | 24578  | 519513  | 0.19% | 0.060% |  |
| 343 | 21.727 | 21.717 | 21.771 | VV | 14527  | 239739  | 0.09% | 0.027% |  |
| 344 | 21.812 | 21.771 | 21.831 | PV | 24308  | 457050  | 0.17% | 0.052% |  |
| 345 | 21.837 | 21.831 | 21.856 | VV | 8667   | 84880   | 0.03% | 0.010% |  |

Sum of corrected areas: 873124010