

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD090519AL\
 Data File : FD030512.D
 Signal(s) : FID2B.CH
 Acq On : 05 Sep 2019 20:35
 Sample : K4694-10
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Alaphatic EPH 090319.M
 Title : GC Extractables

Signal : FID2B.CH

| peak # | R. T. min | Start min | End min | PK TY | peak height | peak area | peak % max. | % of total |
|--------|-----------|-----------|---------|-------|-------------|-----------|-------------|------------|
| 1 | 3.436 | 3.368 | 3.453 | BV | 219 | 1938 | 0.02% | 0.000% |
| 2 | 3.511 | 3.475 | 3.560 | VV | 980 | 12753 | 0.16% | 0.003% |
| 3 | 3.612 | 3.560 | 3.626 | PV | 901 | 13097 | 0.17% | 0.003% |
| 4 | 3.638 | 3.626 | 3.664 | VV | 591 | 7721 | 0.10% | 0.002% |
| 5 | 3.686 | 3.664 | 3.714 | PV | 1457 | 18708 | 0.24% | 0.004% |
| 6 | 3.723 | 3.714 | 3.770 | VV | 427 | 8137 | 0.10% | 0.002% |
| 7 | 3.808 | 3.770 | 3.868 | VV | 1250 | 24210 | 0.31% | 0.006% |
| 8 | 3.892 | 3.868 | 3.950 | VV | 928 | 13758 | 0.17% | 0.003% |
| 9 | 3.974 | 3.950 | 4.011 | VV | 5732 | 73354 | 0.93% | 0.017% |
| 10 | 4.029 | 4.011 | 4.107 | VV | 5391 | 94899 | 1.20% | 0.022% |
| 11 | 4.144 | 4.107 | 4.159 | VV | 1746 | 27215 | 0.34% | 0.006% |
| 12 | 4.174 | 4.159 | 4.196 | VV | 2048 | 24093 | 0.30% | 0.006% |
| 13 | 4.204 | 4.196 | 4.227 | VV | 531 | 7913 | 0.10% | 0.002% |
| 14 | 4.242 | 4.227 | 4.273 | VV | 425 | 7836 | 0.10% | 0.002% |
| 15 | 4.301 | 4.273 | 4.322 | VV | 144 | 2495 | 0.03% | 0.001% |
| 16 | 4.332 | 4.322 | 4.355 | VV | 152 | 1779 | 0.02% | 0.000% |
| 17 | 4.377 | 4.355 | 4.391 | PV | 902 | 8886 | 0.11% | 0.002% |
| 18 | 4.403 | 4.391 | 4.407 | VV | 452 | 3386 | 0.04% | 0.001% |
| 19 | 4.421 | 4.407 | 4.438 | VV | 1036 | 12314 | 0.16% | 0.003% |
| 20 | 4.448 | 4.438 | 4.460 | VV | 574 | 6204 | 0.08% | 0.001% |
| 21 | 4.474 | 4.460 | 4.508 | VV | 628 | 10306 | 0.13% | 0.002% |
| 22 | 4.525 | 4.508 | 4.555 | VV | 2743 | 30573 | 0.39% | 0.007% |
| 23 | 4.579 | 4.555 | 4.618 | VV | 871 | 22290 | 0.28% | 0.005% |
| 24 | 4.628 | 4.618 | 4.638 | VV | 345 | 3424 | 0.04% | 0.001% |
| 25 | 4.656 | 4.638 | 4.688 | VV | 479 | 7444 | 0.09% | 0.002% |
| 26 | 4.712 | 4.688 | 4.738 | VV | 2148 | 27290 | 0.34% | 0.006% |
| 27 | 4.754 | 4.738 | 4.771 | VV | 648 | 9327 | 0.12% | 0.002% |
| 28 | 4.796 | 4.771 | 4.812 | VV | 562 | 9846 | 0.12% | 0.002% |
| 29 | 4.827 | 4.812 | 4.848 | VV | 513 | 6578 | 0.08% | 0.002% |
| 30 | 4.858 | 4.848 | 4.871 | VV | 342 | 3525 | 0.04% | 0.001% |
| 31 | 4.883 | 4.871 | 4.912 | VV | 421 | 6707 | 0.08% | 0.002% |
| 32 | 4.922 | 4.912 | 4.935 | VV | 424 | 4916 | 0.06% | 0.001% |
| 33 | 4.965 | 4.935 | 4.987 | VV | 1406 | 21742 | 0.27% | 0.005% |
| 34 | 5.009 | 4.987 | 5.052 | VV | 2728 | 45907 | 0.58% | 0.010% |
| 35 | 5.064 | 5.052 | 5.079 | VV | 936 | 10860 | 0.14% | 0.002% |
| 36 | 5.109 | 5.079 | 5.133 | VV | 906 | 16882 | 0.21% | 0.004% |

| | | | | | rteres | | | |
|----|--------|--------|--------|----|--------|--------|--------|---------|
| 37 | 5. 143 | 5. 133 | 5. 160 | VV | 279 | 2965 | 0. 04% | 0. 001% |
| 38 | 5. 176 | 5. 160 | 5. 188 | VV | 275 | 2314 | 0. 03% | 0. 001% |
| 39 | 5. 226 | 5. 188 | 5. 272 | PV | 3361 | 38432 | 0. 49% | 0. 009% |
| 40 | 5. 292 | 5. 272 | 5. 328 | VV | 413 | 7471 | 0. 09% | 0. 002% |
| 41 | 5. 355 | 5. 328 | 5. 387 | PV | 546 | 10745 | 0. 14% | 0. 002% |
| 42 | 5. 408 | 5. 387 | 5. 423 | VV | 1448 | 16023 | 0. 20% | 0. 004% |
| 43 | 5. 439 | 5. 423 | 5. 454 | VV | 1104 | 13821 | 0. 17% | 0. 003% |
| 44 | 5. 469 | 5. 454 | 5. 502 | VV | 1632 | 23278 | 0. 29% | 0. 005% |
| 45 | 5. 513 | 5. 502 | 5. 556 | VV | 641 | 9992 | 0. 13% | 0. 002% |
| 46 | 5. 595 | 5. 556 | 5. 615 | VV | 448 | 9133 | 0. 12% | 0. 002% |
| 47 | 5. 649 | 5. 615 | 5. 678 | VV | 494 | 13616 | 0. 17% | 0. 003% |
| 48 | 5. 707 | 5. 678 | 5. 730 | VV | 661 | 13013 | 0. 16% | 0. 003% |
| 49 | 5. 742 | 5. 730 | 5. 758 | VV | 485 | 4910 | 0. 06% | 0. 001% |
| 50 | 5. 781 | 5. 758 | 5. 796 | VV | 1444 | 19240 | 0. 24% | 0. 004% |
| 51 | 5. 810 | 5. 796 | 5. 848 | VV | 1242 | 25345 | 0. 32% | 0. 006% |
| 52 | 5. 855 | 5. 848 | 5. 876 | VV | 562 | 5664 | 0. 07% | 0. 001% |
| 53 | 5. 919 | 5. 876 | 5. 931 | VV | 630 | 11716 | 0. 15% | 0. 003% |
| 54 | 5. 957 | 5. 931 | 5. 990 | VV | 12794 | 169999 | 2. 15% | 0. 039% |
| 55 | 5. 997 | 5. 990 | 6. 030 | VV | 1397 | 23893 | 0. 30% | 0. 005% |
| 56 | 6. 044 | 6. 030 | 6. 065 | VV | 611 | 10227 | 0. 13% | 0. 002% |
| 57 | 6. 104 | 6. 065 | 6. 119 | VV | 1491 | 34109 | 0. 43% | 0. 008% |
| 58 | 6. 132 | 6. 119 | 6. 155 | VV | 1732 | 22522 | 0. 28% | 0. 005% |
| 59 | 6. 170 | 6. 155 | 6. 208 | VV | 918 | 20135 | 0. 25% | 0. 005% |
| 60 | 6. 238 | 6. 208 | 6. 258 | VV | 2445 | 38600 | 0. 49% | 0. 009% |
| 61 | 6. 275 | 6. 258 | 6. 349 | VV | 2490 | 42722 | 0. 54% | 0. 010% |
| 62 | 6. 384 | 6. 349 | 6. 442 | VV | 1774 | 34175 | 0. 43% | 0. 008% |
| 63 | 6. 459 | 6. 442 | 6. 487 | VV | 498 | 8505 | 0. 11% | 0. 002% |
| 64 | 6. 507 | 6. 487 | 6. 518 | VV | 443 | 5983 | 0. 08% | 0. 001% |
| 65 | 6. 531 | 6. 518 | 6. 552 | VV | 548 | 7920 | 0. 10% | 0. 002% |
| 66 | 6. 562 | 6. 552 | 6. 591 | VV | 300 | 4573 | 0. 06% | 0. 001% |
| 67 | 6. 601 | 6. 591 | 6. 619 | VV | 289 | 1845 | 0. 02% | 0. 000% |
| 68 | 6. 652 | 6. 619 | 6. 683 | PV | 1504 | 19165 | 0. 24% | 0. 004% |
| 69 | 6. 718 | 6. 683 | 6. 762 | VV | 766 | 19002 | 0. 24% | 0. 004% |
| 70 | 6. 783 | 6. 762 | 6. 801 | VV | 289 | 5240 | 0. 07% | 0. 001% |
| 71 | 6. 821 | 6. 801 | 6. 838 | VV | 590 | 8657 | 0. 11% | 0. 002% |
| 72 | 6. 868 | 6. 838 | 6. 954 | VV | 12745 | 307828 | 3. 88% | 0. 070% |
| 73 | 6. 972 | 6. 954 | 6. 983 | VV | 2367 | 31874 | 0. 40% | 0. 007% |
| 74 | 7. 003 | 6. 983 | 7. 028 | VV | 11489 | 128144 | 1. 62% | 0. 029% |
| 75 | 7. 045 | 7. 028 | 7. 111 | VV | 3123 | 60593 | 0. 76% | 0. 014% |
| 76 | 7. 137 | 7. 111 | 7. 156 | VV | 3780 | 40345 | 0. 51% | 0. 009% |
| 77 | 7. 173 | 7. 156 | 7. 192 | VV | 1758 | 22807 | 0. 29% | 0. 005% |
| 78 | 7. 198 | 7. 192 | 7. 226 | VV | 694 | 10688 | 0. 13% | 0. 002% |
| 79 | 7. 236 | 7. 226 | 7. 245 | VV | 359 | 3631 | 0. 05% | 0. 001% |
| 80 | 7. 260 | 7. 245 | 7. 277 | VV | 733 | 10741 | 0. 14% | 0. 002% |
| 81 | 7. 302 | 7. 277 | 7. 343 | VV | 1493 | 22496 | 0. 28% | 0. 005% |
| 82 | 7. 383 | 7. 343 | 7. 403 | VV | 588 | 12157 | 0. 15% | 0. 003% |
| 83 | 7. 433 | 7. 403 | 7. 453 | VV | 832 | 15626 | 0. 20% | 0. 004% |
| 84 | 7. 488 | 7. 453 | 7. 502 | VV | 340 | 7817 | 0. 10% | 0. 002% |
| 85 | 7. 524 | 7. 502 | 7. 570 | VV | 589 | 11453 | 0. 14% | 0. 003% |
| 86 | 7. 719 | 7. 675 | 7. 794 | VV | 4198 | 119179 | 1. 50% | 0. 027% |
| 87 | 7. 818 | 7. 794 | 7. 836 | VV | 1013 | 18278 | 0. 23% | 0. 004% |
| 88 | 7. 850 | 7. 836 | 7. 867 | VV | 1128 | 15051 | 0. 19% | 0. 003% |
| 89 | 7. 880 | 7. 867 | 7. 928 | VV | 783 | 17509 | 0. 22% | 0. 004% |

| | | | | | rteres | | | |
|-----|---------|---------|---------|----|--------|---------|---------|---------|
| 90 | 7. 944 | 7. 928 | 7. 958 | VV | 494 | 5671 | 0. 07% | 0. 001% |
| 91 | 7. 996 | 7. 958 | 8. 037 | VV | 2518 | 52790 | 0. 67% | 0. 012% |
| 92 | 8. 062 | 8. 037 | 8. 077 | VV | 1812 | 27712 | 0. 35% | 0. 006% |
| 93 | 8. 094 | 8. 077 | 8. 110 | VV | 3233 | 38383 | 0. 48% | 0. 009% |
| 94 | 8. 122 | 8. 110 | 8. 145 | VV | 1789 | 23826 | 0. 30% | 0. 005% |
| 95 | 8. 171 | 8. 145 | 8. 196 | VV | 3135 | 45659 | 0. 58% | 0. 010% |
| 96 | 8. 278 | 8. 262 | 8. 318 | VV | 3525 | 48265 | 0. 61% | 0. 011% |
| 97 | 8. 331 | 8. 318 | 8. 352 | VV | 421 | 6344 | 0. 08% | 0. 001% |
| 98 | 8. 365 | 8. 352 | 8. 385 | VV | 839 | 9197 | 0. 12% | 0. 002% |
| 99 | 8. 411 | 8. 385 | 8. 427 | VV | 333 | 5194 | 0. 07% | 0. 001% |
| 100 | 8. 524 | 8. 512 | 8. 550 | VV | 1874 | 37284 | 0. 47% | 0. 009% |
| 101 | 8. 571 | 8. 550 | 8. 592 | VV | 7254 | 77675 | 0. 98% | 0. 018% |
| 102 | 8. 634 | 8. 592 | 8. 768 | VV | 1852 | 93846 | 1. 18% | 0. 021% |
| 103 | 8. 797 | 8. 768 | 8. 825 | VV | 5413 | 79882 | 1. 01% | 0. 018% |
| 104 | 8. 842 | 8. 825 | 8. 865 | VV | 4269 | 48367 | 0. 61% | 0. 011% |
| 105 | 8. 892 | 8. 865 | 8. 952 | VV | 2318 | 53107 | 0. 67% | 0. 012% |
| 106 | 8. 982 | 8. 952 | 9. 000 | VV | 4121 | 55953 | 0. 71% | 0. 013% |
| 107 | 9. 014 | 9. 000 | 9. 055 | VV | 1990 | 35047 | 0. 44% | 0. 008% |
| 108 | 9. 074 | 9. 055 | 9. 098 | VV | 472 | 5980 | 0. 08% | 0. 001% |
| 109 | 9. 118 | 9. 098 | 9. 150 | PV | 5068 | 78625 | 0. 99% | 0. 018% |
| 110 | 9. 167 | 9. 150 | 9. 195 | VV | 2304 | 37801 | 0. 48% | 0. 009% |
| 111 | 9. 204 | 9. 195 | 9. 231 | VV | 556 | 9542 | 0. 12% | 0. 002% |
| 112 | 9. 268 | 9. 231 | 9. 291 | VV | 1149 | 18594 | 0. 23% | 0. 004% |
| 113 | 9. 316 | 9. 291 | 9. 330 | PV | 1984 | 24303 | 0. 31% | 0. 006% |
| 114 | 9. 367 | 9. 330 | 9. 395 | VV | 313251 | 3085188 | 38. 94% | 0. 705% |
| 115 | 9. 425 | 9. 395 | 9. 463 | VV | 3578 | 65774 | 0. 83% | 0. 015% |
| 116 | 9. 472 | 9. 463 | 9. 480 | VV | 823 | 7560 | 0. 10% | 0. 002% |
| 117 | 9. 500 | 9. 480 | 9. 520 | VV | 1733 | 26195 | 0. 33% | 0. 006% |
| 118 | 9. 529 | 9. 520 | 9. 542 | VV | 760 | 8342 | 0. 11% | 0. 002% |
| 119 | 9. 562 | 9. 542 | 9. 571 | VV | 1121 | 16632 | 0. 21% | 0. 004% |
| 120 | 9. 595 | 9. 571 | 9. 617 | VV | 7043 | 83726 | 1. 06% | 0. 019% |
| 121 | 9. 631 | 9. 617 | 9. 651 | VV | 822 | 11277 | 0. 14% | 0. 003% |
| 122 | 9. 673 | 9. 651 | 9. 734 | VV | 2147 | 49433 | 0. 62% | 0. 011% |
| 123 | 9. 761 | 9. 734 | 9. 817 | VV | 4441 | 85788 | 1. 08% | 0. 020% |
| 124 | 9. 864 | 9. 817 | 9. 893 | VV | 2188 | 37076 | 0. 47% | 0. 008% |
| 125 | 9. 930 | 9. 893 | 9. 955 | PV | 493 | 9038 | 0. 11% | 0. 002% |
| 126 | 9. 975 | 9. 955 | 10. 008 | PV | 235 | 2917 | 0. 04% | 0. 001% |
| 127 | 10. 031 | 10. 008 | 10. 055 | PV | 332 | 4982 | 0. 06% | 0. 001% |
| 128 | 10. 091 | 10. 055 | 10. 103 | VV | 951 | 10905 | 0. 14% | 0. 002% |
| 129 | 10. 108 | 10. 103 | 10. 125 | VV | 529 | 4780 | 0. 06% | 0. 001% |
| 130 | 10. 144 | 10. 125 | 10. 165 | VV | 823 | 10320 | 0. 13% | 0. 002% |
| 131 | 10. 196 | 10. 165 | 10. 212 | PV | 1968 | 28975 | 0. 37% | 0. 007% |
| 132 | 10. 228 | 10. 212 | 10. 251 | VV | 1931 | 26255 | 0. 33% | 0. 006% |
| 133 | 10. 278 | 10. 251 | 10. 301 | PV | 2601 | 34950 | 0. 44% | 0. 008% |
| 134 | 10. 340 | 10. 301 | 10. 370 | VV | 5247 | 66962 | 0. 85% | 0. 015% |
| 135 | 10. 399 | 10. 370 | 10. 440 | VV | 9006 | 150631 | 1. 90% | 0. 034% |
| 136 | 10. 453 | 10. 440 | 10. 460 | VV | 2622 | 27392 | 0. 35% | 0. 006% |
| 137 | 10. 491 | 10. 460 | 10. 523 | VV | 6287 | 137056 | 1. 73% | 0. 031% |
| 138 | 10. 550 | 10. 523 | 10. 575 | VV | 4758 | 103155 | 1. 30% | 0. 024% |
| 139 | 10. 592 | 10. 575 | 10. 631 | VV | 5751 | 92514 | 1. 17% | 0. 021% |
| 140 | 10. 659 | 10. 631 | 10. 692 | VV | 3603 | 57641 | 0. 73% | 0. 013% |
| 141 | 10. 888 | 10. 868 | 10. 901 | VV | 2297 | 28582 | 0. 36% | 0. 007% |

| | | | | | rteres | | | |
|-----|---------|---------|---------|----|--------|---------|---------|---------|
| 142 | 10. 919 | 10. 901 | 10. 961 | VV | 4454 | 57692 | 0. 73% | 0. 013% |
| 143 | 10. 993 | 10. 961 | 11. 011 | VV | 1376 | 19281 | 0. 24% | 0. 004% |
| 144 | 11. 033 | 11. 011 | 11. 074 | PV | 4742 | 65446 | 0. 83% | 0. 015% |
| 145 | 11. 126 | 11. 074 | 11. 140 | VV | 1686 | 33008 | 0. 42% | 0. 008% |
| 146 | 11. 161 | 11. 140 | 11. 173 | VV | 2059 | 32203 | 0. 41% | 0. 007% |
| 147 | 11. 192 | 11. 173 | 11. 215 | VV | 4198 | 62106 | 0. 78% | 0. 014% |
| 148 | 11. 273 | 11. 215 | 11. 299 | VV | 3681 | 112928 | 1. 43% | 0. 026% |
| 149 | 11. 317 | 11. 299 | 11. 328 | VV | 3114 | 39206 | 0. 49% | 0. 009% |
| 150 | 11. 347 | 11. 328 | 11. 365 | VV | 4641 | 72618 | 0. 92% | 0. 017% |
| 151 | 11. 389 | 11. 365 | 11. 417 | VV | 5187 | 118223 | 1. 49% | 0. 027% |
| 152 | 11. 435 | 11. 417 | 11. 469 | VV | 4943 | 115053 | 1. 45% | 0. 026% |
| 153 | 11. 511 | 11. 469 | 11. 557 | VV | 534655 | 5879826 | 74. 21% | 1. 343% |
| 154 | 11. 573 | 11. 557 | 11. 618 | VV | 16288 | 312967 | 3. 95% | 0. 071% |
| 155 | 11. 656 | 11. 618 | 11. 672 | VV | 15111 | 314800 | 3. 97% | 0. 072% |
| 156 | 11. 689 | 11. 672 | 11. 704 | VV | 12124 | 183895 | 2. 32% | 0. 042% |
| 157 | 11. 721 | 11. 704 | 11. 777 | VV | 12946 | 337584 | 4. 26% | 0. 077% |
| 158 | 11. 808 | 11. 777 | 11. 818 | VV | 6352 | 145093 | 1. 83% | 0. 033% |
| 159 | 11. 861 | 11. 818 | 11. 882 | VV | 14142 | 345017 | 4. 35% | 0. 079% |
| 160 | 11. 900 | 11. 882 | 11. 923 | VV | 14097 | 272311 | 3. 44% | 0. 062% |
| 161 | 11. 947 | 11. 923 | 11. 982 | VV | 33928 | 555440 | 7. 01% | 0. 127% |
| 162 | 12. 012 | 11. 982 | 12. 050 | VV | 14517 | 443919 | 5. 60% | 0. 101% |
| 163 | 12. 074 | 12. 050 | 12. 089 | VV | 11468 | 245701 | 3. 10% | 0. 056% |
| 164 | 12. 125 | 12. 089 | 12. 170 | VV | 120924 | 1794761 | 22. 65% | 0. 410% |
| 165 | 12. 219 | 12. 170 | 12. 232 | VV | 14316 | 479037 | 6. 05% | 0. 109% |
| 166 | 12. 255 | 12. 232 | 12. 268 | VV | 15346 | 312345 | 3. 94% | 0. 071% |
| 167 | 12. 280 | 12. 268 | 12. 300 | VV | 15405 | 274834 | 3. 47% | 0. 063% |
| 168 | 12. 331 | 12. 300 | 12. 363 | VV | 17303 | 589739 | 7. 44% | 0. 135% |
| 169 | 12. 388 | 12. 363 | 12. 412 | VV | 19267 | 489137 | 6. 17% | 0. 112% |
| 170 | 12. 437 | 12. 412 | 12. 455 | VV | 23022 | 501331 | 6. 33% | 0. 115% |
| 171 | 12. 497 | 12. 455 | 12. 528 | VV | 23464 | 885245 | 11. 17% | 0. 202% |
| 172 | 12. 553 | 12. 528 | 12. 589 | VV | 138244 | 1960274 | 24. 74% | 0. 448% |
| 173 | 12. 611 | 12. 589 | 12. 634 | VV | 22733 | 571513 | 7. 21% | 0. 131% |
| 174 | 12. 658 | 12. 634 | 12. 676 | VV | 23189 | 548791 | 6. 93% | 0. 125% |
| 175 | 12. 741 | 12. 676 | 12. 750 | VV | 27383 | 1061854 | 13. 40% | 0. 243% |
| 176 | 12. 762 | 12. 750 | 12. 781 | VV | 27446 | 477197 | 6. 02% | 0. 109% |
| 177 | 12. 850 | 12. 781 | 12. 878 | VV | 125269 | 2556100 | 32. 26% | 0. 584% |
| 178 | 12. 939 | 12. 878 | 12. 965 | VV | 403556 | 5812235 | 73. 35% | 1. 328% |
| 179 | 12. 982 | 12. 965 | 12. 997 | VV | 31085 | 592394 | 7. 48% | 0. 135% |
| 180 | 13. 024 | 12. 997 | 13. 068 | VV | 35961 | 1399877 | 17. 67% | 0. 320% |
| 181 | 13. 112 | 13. 068 | 13. 164 | VV | 49614 | 2102016 | 26. 53% | 0. 480% |
| 182 | 13. 183 | 13. 164 | 13. 208 | VV | 36745 | 944883 | 11. 92% | 0. 216% |
| 183 | 13. 243 | 13. 208 | 13. 260 | VV | 45552 | 1208734 | 15. 25% | 0. 276% |
| 184 | 13. 306 | 13. 260 | 13. 352 | VV | 45081 | 2271350 | 28. 67% | 0. 519% |
| 185 | 13. 372 | 13. 352 | 13. 383 | VV | 41305 | 736515 | 9. 30% | 0. 168% |
| 186 | 13. 436 | 13. 383 | 13. 489 | VV | 57622 | 2871174 | 36. 24% | 0. 656% |
| 187 | 13. 503 | 13. 489 | 13. 522 | VV | 44276 | 858478 | 10. 83% | 0. 196% |
| 188 | 13. 544 | 13. 522 | 13. 557 | VV | 54624 | 1062776 | 13. 41% | 0. 243% |
| 189 | 13. 583 | 13. 557 | 13. 599 | VV | 55146 | 1304153 | 16. 46% | 0. 298% |
| 190 | 13. 620 | 13. 599 | 13. 651 | VV | 51656 | 1518244 | 19. 16% | 0. 347% |
| 191 | 13. 691 | 13. 651 | 13. 738 | VV | 67097 | 2912839 | 36. 76% | 0. 665% |
| 192 | 13. 750 | 13. 738 | 13. 772 | VV | 55740 | 1076357 | 13. 58% | 0. 246% |
| 193 | 13. 793 | 13. 772 | 13. 815 | VV | 59983 | 1410635 | 17. 80% | 0. 322% |
| 194 | 13. 847 | 13. 815 | 13. 878 | VV | 57013 | 2048351 | 25. 85% | 0. 468% |

| rteres | | | | | | | | | |
|--------|---------|---------|---------|----|--------|---------|---------|---------|--|
| 195 | 13. 901 | 13. 878 | 13. 957 | VV | 56944 | 2558484 | 32. 29% | 0. 584% | |
| 196 | 13. 975 | 13. 957 | 13. 985 | VV | 56308 | 937798 | 11. 84% | 0. 214% | |
| 197 | 14. 007 | 13. 985 | 14. 030 | VV | 71464 | 1656445 | 20. 90% | 0. 378% | |
| 198 | 14. 048 | 14. 030 | 14. 059 | VV | 59868 | 1025014 | 12. 94% | 0. 234% | |
| 199 | 14. 075 | 14. 059 | 14. 085 | VV | 59474 | 900548 | 11. 37% | 0. 206% | |
| 200 | 14. 152 | 14. 085 | 14. 198 | VV | 75694 | 4329899 | 54. 64% | 0. 989% | |
| 201 | 14. 210 | 14. 198 | 14. 225 | VV | 62672 | 992434 | 12. 52% | 0. 227% | |
| 202 | 14. 242 | 14. 225 | 14. 263 | VV | 66401 | 1412893 | 17. 83% | 0. 323% | |
| 203 | 14. 292 | 14. 263 | 14. 318 | VV | 72216 | 2153291 | 27. 18% | 0. 492% | |
| 204 | 14. 343 | 14. 318 | 14. 387 | VV | 69637 | 2679306 | 33. 81% | 0. 612% | |
| 205 | 14. 409 | 14. 387 | 14. 430 | VV | 76713 | 1770309 | 22. 34% | 0. 404% | |
| 206 | 14. 469 | 14. 430 | 14. 503 | VV | 68673 | 2848819 | 35. 95% | 0. 651% | |
| 207 | 14. 532 | 14. 503 | 14. 555 | VV | 82057 | 2139716 | 27. 00% | 0. 489% | |
| 208 | 14. 591 | 14. 555 | 14. 606 | VV | 69888 | 1998747 | 25. 22% | 0. 457% | |
| 209 | 14. 621 | 14. 606 | 14. 647 | VV | 66296 | 1588158 | 20. 04% | 0. 363% | |
| 210 | 14. 672 | 14. 647 | 14. 692 | VV | 66407 | 1757641 | 22. 18% | 0. 402% | |
| 211 | 14. 820 | 14. 797 | 14. 857 | VV | 72102 | 2418393 | 30. 52% | 0. 552% | |
| 212 | 14. 877 | 14. 857 | 14. 898 | VV | 77323 | 1719081 | 21. 70% | 0. 393% | |
| 213 | 14. 912 | 14. 898 | 14. 933 | VV | 67830 | 1366543 | 17. 25% | 0. 312% | |
| 214 | 14. 947 | 14. 933 | 15. 002 | VV | 66286 | 2672595 | 33. 73% | 0. 611% | |
| 215 | 15. 030 | 15. 002 | 15. 075 | VV | 74743 | 3001884 | 37. 88% | 0. 686% | |
| 216 | 15. 108 | 15. 075 | 15. 128 | VV | 93302 | 2393481 | 30. 21% | 0. 547% | |
| 217 | 15. 168 | 15. 128 | 15. 191 | VV | 78654 | 2731356 | 34. 47% | 0. 624% | |
| 218 | 15. 207 | 15. 191 | 15. 244 | VV | 76436 | 2207935 | 27. 86% | 0. 504% | |
| 219 | 15. 256 | 15. 244 | 15. 260 | VV | 66056 | 641729 | 8. 10% | 0. 147% | |
| 220 | 15. 390 | 15. 358 | 15. 406 | VV | 92510 | 2277006 | 28. 74% | 0. 520% | |
| 221 | 15. 423 | 15. 406 | 15. 457 | VV | 98909 | 2447792 | 30. 89% | 0. 559% | |
| 222 | 15. 472 | 15. 457 | 15. 494 | VV | 68033 | 1506468 | 19. 01% | 0. 344% | |
| 223 | 15. 549 | 15. 494 | 15. 588 | VV | 81844 | 4101777 | 51. 77% | 0. 937% | |
| 224 | 15. 618 | 15. 588 | 15. 641 | VV | 77993 | 2293113 | 28. 94% | 0. 524% | |
| 225 | 15. 680 | 15. 641 | 15. 732 | VV | 210887 | 5479399 | 69. 15% | 1. 252% | |
| 226 | 15. 751 | 15. 732 | 15. 773 | VV | 71360 | 1756831 | 22. 17% | 0. 401% | |
| 227 | 15. 796 | 15. 773 | 15. 811 | VV | 76688 | 1691111 | 21. 34% | 0. 386% | |
| 228 | 15. 820 | 15. 811 | 15. 867 | VV | 73215 | 2344424 | 29. 59% | 0. 536% | |
| 229 | 15. 890 | 15. 867 | 15. 924 | VV | 74201 | 2451755 | 30. 94% | 0. 560% | |
| 230 | 15. 998 | 15. 924 | 16. 034 | VV | 79234 | 4906823 | 61. 93% | 1. 121% | |
| 231 | 16. 056 | 16. 034 | 16. 067 | VV | 75766 | 1433506 | 18. 09% | 0. 327% | |
| 232 | 16. 092 | 16. 067 | 16. 121 | VV | 81671 | 2548226 | 32. 16% | 0. 582% | |
| 233 | 16. 149 | 16. 121 | 16. 165 | VV | 86833 | 2193830 | 27. 69% | 0. 501% | |
| 234 | 16. 185 | 16. 165 | 16. 228 | VV | 87196 | 3080969 | 38. 88% | 0. 704% | |
| 235 | 16. 270 | 16. 228 | 16. 328 | VV | 154142 | 6037469 | 76. 20% | 1. 379% | |
| 236 | 16. 359 | 16. 328 | 16. 379 | VV | 96821 | 2693322 | 33. 99% | 0. 615% | |
| 237 | 16. 399 | 16. 379 | 16. 420 | VV | 95104 | 2169503 | 27. 38% | 0. 496% | |
| 238 | 16. 431 | 16. 420 | 16. 467 | VV | 87743 | 2442412 | 30. 82% | 0. 558% | |
| 239 | 16. 488 | 16. 467 | 16. 505 | VV | 84333 | 1861115 | 23. 49% | 0. 425% | |
| 240 | 16. 520 | 16. 505 | 16. 532 | VV | 85379 | 1349523 | 17. 03% | 0. 308% | |
| 241 | 16. 588 | 16. 532 | 16. 621 | VV | 129668 | 5239441 | 66. 12% | 1. 197% | |
| 242 | 16. 645 | 16. 621 | 16. 685 | VV | 124739 | 3747227 | 47. 29% | 0. 856% | |
| 243 | 16. 744 | 16. 685 | 16. 816 | VV | 107880 | 7645853 | 96. 49% | 1. 747% | |
| 244 | 16. 858 | 16. 816 | 16. 897 | VV | 95397 | 4496071 | 56. 74% | 1. 027% | |
| 245 | 16. 923 | 16. 897 | 16. 934 | VV | 100032 | 2138177 | 26. 98% | 0. 488% | |
| 246 | 16. 965 | 16. 934 | 17. 035 | VV | 104898 | 6079739 | 76. 73% | 1. 389% | |

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|-----|--------|--------|--------|----|--------|---------|--------|--------|
| 247 | 17.055 | 17.035 | 17.094 | VV | 104124 | 3520638 | 44.43% | 0.804% |
| 248 | 17.123 | 17.094 | 17.144 | VV | 109124 | 3150504 | 39.76% | 0.720% |
| 249 | 17.184 | 17.144 | 17.218 | VV | 110028 | 4600206 | 58.06% | 1.051% |
| 250 | 17.229 | 17.218 | 17.246 | VV | 103753 | 1637363 | 20.66% | 0.374% |
| 251 | 17.304 | 17.246 | 17.335 | VV | 110845 | 5369335 | 67.76% | 1.227% |
| 252 | 17.358 | 17.335 | 17.377 | VV | 99836 | 2463988 | 31.10% | 0.563% |
| 253 | 17.389 | 17.377 | 17.405 | VV | 96269 | 1557252 | 19.65% | 0.356% |
| 254 | 17.416 | 17.405 | 17.432 | VV | 95204 | 1526005 | 19.26% | 0.349% |
| 255 | 17.471 | 17.432 | 17.497 | VV | 100960 | 3807130 | 48.05% | 0.870% |
| 256 | 17.526 | 17.497 | 17.555 | VV | 107589 | 3467981 | 43.77% | 0.792% |
| 257 | 17.620 | 17.555 | 17.654 | VV | 114016 | 6054825 | 76.41% | 1.383% |
| 258 | 17.710 | 17.654 | 17.728 | VV | 101602 | 4327288 | 54.61% | 0.989% |
| 259 | 17.770 | 17.728 | 17.787 | VV | 115819 | 3692425 | 46.60% | 0.843% |
| 260 | 17.806 | 17.787 | 17.843 | VV | 112623 | 3553404 | 44.85% | 0.812% |
| 261 | 17.861 | 17.843 | 17.890 | VV | 99425 | 2682065 | 33.85% | 0.613% |
| 262 | 17.914 | 17.890 | 17.928 | VV | 100498 | 2231514 | 28.16% | 0.510% |
| 263 | 17.941 | 17.928 | 17.952 | VV | 102070 | 1422616 | 17.95% | 0.325% |
| 264 | 18.003 | 17.952 | 18.027 | VV | 137207 | 5470759 | 69.04% | 1.250% |
| 265 | 18.040 | 18.027 | 18.065 | VV | 112998 | 2369510 | 29.90% | 0.541% |
| 266 | 18.094 | 18.065 | 18.113 | VV | 98611 | 2742344 | 34.61% | 0.626% |
| 267 | 18.136 | 18.113 | 18.153 | VV | 113726 | 2498122 | 31.53% | 0.571% |
| 268 | 18.170 | 18.153 | 18.231 | VV | 108635 | 4658211 | 58.79% | 1.064% |
| 269 | 18.263 | 18.231 | 18.292 | VV | 120987 | 3675017 | 46.38% | 0.840% |
| 270 | 18.305 | 18.292 | 18.319 | VV | 92153 | 1487466 | 18.77% | 0.340% |
| 271 | 18.336 | 18.319 | 18.373 | VV | 92762 | 2913155 | 36.77% | 0.665% |
| 272 | 18.393 | 18.373 | 18.410 | VV | 93712 | 1995139 | 25.18% | 0.456% |
| 273 | 18.442 | 18.410 | 18.516 | VV | 107872 | 5866450 | 74.04% | 1.340% |
| 274 | 18.551 | 18.516 | 18.562 | VV | 108617 | 2640669 | 33.33% | 0.603% |
| 275 | 18.578 | 18.562 | 18.587 | VV | 104775 | 1554299 | 19.62% | 0.355% |
| 276 | 18.598 | 18.587 | 18.617 | VV | 107626 | 1852612 | 23.38% | 0.423% |
| 277 | 18.650 | 18.617 | 18.678 | VV | 432872 | 7732363 | 97.59% | 1.766% |
| 278 | 18.692 | 18.678 | 18.708 | VV | 91597 | 1605784 | 20.27% | 0.367% |
| 279 | 18.727 | 18.708 | 18.740 | VV | 90132 | 1711275 | 21.60% | 0.391% |
| 280 | 18.767 | 18.740 | 18.779 | VV | 99774 | 2214610 | 27.95% | 0.506% |
| 281 | 18.806 | 18.779 | 18.852 | VV | 155676 | 5229446 | 66.00% | 1.195% |
| 282 | 18.874 | 18.852 | 18.916 | VV | 109575 | 3834039 | 48.39% | 0.876% |
| 283 | 18.942 | 18.916 | 18.960 | VV | 94683 | 2431344 | 30.68% | 0.555% |
| 284 | 18.971 | 18.960 | 18.995 | VV | 93899 | 1902800 | 24.01% | 0.435% |
| 285 | 19.012 | 18.995 | 19.045 | VV | 94661 | 2660282 | 33.57% | 0.608% |
| 286 | 19.070 | 19.045 | 19.088 | VV | 89115 | 2263486 | 28.57% | 0.517% |
| 287 | 19.135 | 19.088 | 19.156 | VV | 91454 | 3588692 | 45.29% | 0.820% |
| 288 | 19.174 | 19.156 | 19.186 | VV | 88123 | 1571003 | 19.83% | 0.359% |
| 289 | 19.214 | 19.186 | 19.236 | VV | 91261 | 2620634 | 33.07% | 0.599% |
| 290 | 19.260 | 19.236 | 19.303 | VV | 100852 | 3729318 | 47.07% | 0.852% |
| 291 | 19.343 | 19.303 | 19.384 | VV | 91559 | 4346749 | 54.86% | 0.993% |
| 292 | 19.407 | 19.384 | 19.430 | VV | 93572 | 2437806 | 30.77% | 0.557% |
| 293 | 19.445 | 19.430 | 19.454 | VV | 90745 | 1299369 | 16.40% | 0.297% |
| 294 | 19.484 | 19.454 | 19.538 | VV | 99725 | 4769467 | 60.19% | 1.090% |
| 295 | 19.573 | 19.538 | 19.602 | VV | 103622 | 3640634 | 45.95% | 0.832% |
| 296 | 19.621 | 19.602 | 19.708 | VV | 112759 | 6014231 | 75.90% | 1.374% |
| 297 | 19.772 | 19.708 | 19.808 | VV | 102137 | 5593433 | 70.59% | 1.278% |
| 298 | 19.860 | 19.808 | 19.895 | VV | 106555 | 4904731 | 61.90% | 1.120% |
| 299 | 19.902 | 19.895 | 19.932 | VV | 92277 | 1997008 | 25.20% | 0.456% |

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|-------------------------|--------|--------|--------|-----|-------|-----------|---------|--------|--|
| 300 | 19.955 | 19.932 | 19.997 | VV | 94579 | 3536792 | 44.64% | 0.808% | |
| 301 | 20.030 | 19.997 | 20.058 | VV | 97572 | 3382038 | 42.68% | 0.773% | |
| 302 | 20.066 | 20.058 | 20.084 | VV | 90309 | 1375881 | 17.36% | 0.314% | |
| 303 | 20.108 | 20.084 | 20.140 | VV | 96761 | 3114474 | 39.31% | 0.711% | |
| 304 | 20.164 | 20.140 | 20.182 | VV | 95766 | 2352201 | 29.69% | 0.537% | |
| 305 | 20.201 | 20.182 | 20.223 | VV | 93392 | 2297707 | 29.00% | 0.525% | |
| 306 | 20.249 | 20.223 | 20.262 | VV | 92946 | 2112976 | 26.67% | 0.483% | |
| 307 | 20.414 | 20.392 | 20.539 | VV | 94041 | 7923689 | 100.00% | 1.810% | |
| 308 | 20.551 | 20.539 | 20.572 | VV | 86075 | 1648248 | 20.80% | 0.377% | |
| 309 | 20.588 | 20.572 | 20.611 | VV | 84610 | 1970581 | 24.87% | 0.450% | |
| 310 | 20.662 | 20.611 | 20.748 | VV | 86758 | 6522523 | 82.32% | 1.490% | |
| 311 | 20.764 | 20.748 | 20.812 | VV | 76674 | 2848027 | 35.94% | 0.651% | |
| 312 | 20.856 | 20.812 | 20.874 | VV | 81587 | 2880483 | 36.35% | 0.658% | |
| 313 | 20.893 | 20.874 | 20.962 | VV | 81682 | 3904639 | 49.28% | 0.892% | |
| 314 | 20.968 | 20.962 | 20.995 | VV | 68013 | 1331531 | 16.80% | 0.304% | |
| 315 | 21.009 | 20.995 | 21.030 | VV | 64109 | 1357698 | 17.13% | 0.310% | |
| 316 | 21.067 | 21.030 | 21.098 | VV | 69860 | 2682329 | 33.85% | 0.613% | |
| 317 | 21.108 | 21.098 | 21.174 | VV | 64562 | 2869600 | 36.22% | 0.656% | |
| 318 | 21.210 | 21.174 | 21.232 | VV | 61281 | 2071820 | 26.15% | 0.473% | |
| 319 | 21.238 | 21.232 | 21.278 | VV | 58609 | 1602860 | 20.23% | 0.366% | |
| 320 | 21.287 | 21.278 | 21.393 | VV | 56473 | 3655779 | 46.14% | 0.835% | |
| 321 | 21.403 | 21.393 | 21.478 | VV | 50998 | 2521893 | 31.83% | 0.576% | |
| 322 | 21.521 | 21.478 | 21.608 | VV | 56921 | 3816783 | 48.17% | 0.872% | |
| 323 | 21.624 | 21.608 | 21.642 | VBA | 45475 | 1016136 | 12.82% | 0.232% | |
| Sum of corrected areas: | | | | | | 437758923 | | | |

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