

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_B\Data\FB060619\  
 Data File : FB021312.D  
 Signal(s) : FID2B.CH  
 Acq On : 6 Jun 2019 11:03  
 Sample : K3151-05  
 Misc : 5.05g/5.00ml DI WATER  
 ALS Vial : 7 Sample Multiplier: 1

Integration File: SAMPLE.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_B\Method\FB052919.M  
 Title :

Signal : FID2B.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         | 4.725       | 4.703        | 4.753      | BV       | 19             | 297          | 0.10%          | 0.059%        |
| 2         | 4.783       | 4.753        | 4.792      | PV       | 52             | 704          | 0.25%          | 0.141%        |
| 3         | 4.814       | 4.792        | 4.826      | VV       | 83             | 1146         | 0.40%          | 0.229%        |
| 4         | 4.856       | 4.826        | 4.866      | VV       | 96             | 1932         | 0.67%          | 0.386%        |
| 5         | 4.876       | 4.866        | 4.895      | VV       | 95             | 1399         | 0.49%          | 0.279%        |
| 6         | 4.900       | 4.895        | 4.918      | VV       | 78             | 726          | 0.25%          | 0.145%        |
| 7         | 4.926       | 4.918        | 4.954      | VV       | 51             | 750          | 0.26%          | 0.150%        |
| 8         | 5.296       | 5.288        | 5.305      | VV       | 42             | 322          | 0.11%          | 0.064%        |
| 9         | 5.327       | 5.305        | 5.336      | VV       | 42             | 609          | 0.21%          | 0.122%        |
| 10        | 5.340       | 5.336        | 5.347      | VV       | 28             | 115          | 0.04%          | 0.023%        |
| 11        | 5.355       | 5.347        | 5.363      | VV       | 31             | 182          | 0.06%          | 0.036%        |
| 12        | 5.378       | 5.363        | 5.393      | VV       | 41             | 602          | 0.21%          | 0.120%        |
| 13        | 5.680       | 5.669        | 5.736      | VV       | 41             | 954          | 0.33%          | 0.191%        |
| 14        | 5.756       | 5.736        | 5.773      | VV       | 46             | 544          | 0.19%          | 0.109%        |
| 15        | 5.790       | 5.773        | 5.805      | VV       | 41             | 410          | 0.14%          | 0.082%        |
| 16        | 5.819       | 5.805        | 5.830      | VV       | 37             | 361          | 0.13%          | 0.072%        |
| 17        | 5.844       | 5.830        | 5.859      | VV       | 35             | 427          | 0.15%          | 0.085%        |
| 18        | 5.866       | 5.859        | 5.885      | VV       | 38             | 318          | 0.11%          | 0.064%        |
| 19        | 5.896       | 5.885        | 5.918      | VV       | 27             | 437          | 0.15%          | 0.087%        |
| 20        | 5.926       | 5.918        | 5.931      | VV       | 26             | 151          | 0.05%          | 0.030%        |
| 21        | 5.938       | 5.931        | 5.964      | VV       | 28             | 402          | 0.14%          | 0.080%        |
| 22        | 5.971       | 5.964        | 5.975      | PV       | 35             | 154          | 0.05%          | 0.031%        |
| 23        | 5.982       | 5.975        | 5.989      | VV       | 48             | 270          | 0.09%          | 0.054%        |
| 24        | 5.998       | 5.989        | 6.012      | VV       | 34             | 359          | 0.13%          | 0.072%        |
| 25        | 6.041       | 6.012        | 6.058      | VV       | 52             | 791          | 0.28%          | 0.158%        |
| 26        | 6.067       | 6.058        | 6.076      | VV       | 38             | 275          | 0.10%          | 0.055%        |
| 27        | 6.096       | 6.076        | 6.109      | VV       | 33             | 515          | 0.18%          | 0.103%        |
| 28        | 6.122       | 6.109        | 6.133      | VV       | 55             | 443          | 0.15%          | 0.089%        |
| 29        | 6.142       | 6.133        | 6.151      | VV       | 33             | 274          | 0.10%          | 0.055%        |
| 30        | 6.162       | 6.151        | 6.175      | VV       | 40             | 401          | 0.14%          | 0.080%        |
| 31        | 6.189       | 6.175        | 6.204      | VV       | 28             | 348          | 0.12%          | 0.070%        |
| 32        | 6.220       | 6.204        | 6.229      | VV       | 40             | 426          | 0.15%          | 0.085%        |
| 33        | 6.237       | 6.229        | 6.262      | VV       | 39             | 442          | 0.15%          | 0.088%        |
| 34        | 6.300       | 6.262        | 6.307      | VV       | 68             | 853          | 0.30%          | 0.171%        |
| 35        | 6.312       | 6.307        | 6.334      | VV       | 50             | 730          | 0.25%          | 0.146%        |
| 36        | 6.344       | 6.334        | 6.353      | VV       | 48             | 443          | 0.15%          | 0.089%        |

rteres.txt

|    |       |       |       |    |    |      |       |        |
|----|-------|-------|-------|----|----|------|-------|--------|
| 37 | 6.367 | 6.353 | 6.377 | VV | 67 | 684  | 0.24% | 0.137% |
| 38 | 6.382 | 6.377 | 6.388 | VV | 46 | 247  | 0.09% | 0.049% |
| 39 | 6.398 | 6.388 | 6.417 | VV | 52 | 701  | 0.24% | 0.140% |
| 40 | 6.427 | 6.417 | 6.441 | VV | 49 | 463  | 0.16% | 0.093% |
| 41 | 6.467 | 6.441 | 6.476 | VV | 52 | 754  | 0.26% | 0.151% |
| 42 | 6.491 | 6.476 | 6.505 | VV | 93 | 818  | 0.28% | 0.163% |
| 43 | 6.522 | 6.505 | 6.532 | VV | 50 | 619  | 0.22% | 0.124% |
| 44 | 6.540 | 6.532 | 6.551 | VV | 62 | 490  | 0.17% | 0.098% |
| 45 | 6.563 | 6.551 | 6.577 | VV | 36 | 472  | 0.16% | 0.094% |
| 46 | 6.596 | 6.577 | 6.625 | VV | 52 | 970  | 0.34% | 0.194% |
| 47 | 6.636 | 6.625 | 6.655 | VV | 39 | 440  | 0.15% | 0.088% |
| 48 | 6.662 | 6.655 | 6.672 | VV | 34 | 183  | 0.06% | 0.037% |
| 49 | 6.688 | 6.672 | 6.698 | VV | 36 | 358  | 0.12% | 0.072% |
| 50 | 6.711 | 6.698 | 6.744 | VV | 30 | 608  | 0.21% | 0.121% |
| 51 | 6.765 | 6.744 | 6.795 | VV | 39 | 788  | 0.27% | 0.157% |
| 52 | 7.197 | 7.185 | 7.208 | VV | 74 | 774  | 0.27% | 0.155% |
| 53 | 7.217 | 7.208 | 7.228 | VV | 71 | 628  | 0.22% | 0.125% |
| 54 | 7.235 | 7.228 | 7.247 | VV | 76 | 663  | 0.23% | 0.133% |
| 55 | 7.262 | 7.247 | 7.278 | VV | 57 | 788  | 0.27% | 0.157% |
| 56 | 7.284 | 7.278 | 7.321 | VV | 37 | 724  | 0.25% | 0.145% |
| 57 | 7.340 | 7.321 | 7.355 | VV | 64 | 586  | 0.20% | 0.117% |
| 58 | 7.369 | 7.355 | 7.386 | VV | 35 | 476  | 0.17% | 0.095% |
| 59 | 7.397 | 7.386 | 7.414 | VV | 30 | 256  | 0.09% | 0.051% |
| 60 | 7.427 | 7.414 | 7.438 | VV | 41 | 358  | 0.12% | 0.072% |
| 61 | 7.448 | 7.438 | 7.458 | VV | 25 | 193  | 0.07% | 0.039% |
| 62 | 7.493 | 7.458 | 7.516 | VV | 39 | 789  | 0.27% | 0.158% |
| 63 | 7.532 | 7.516 | 7.548 | VV | 33 | 425  | 0.15% | 0.085% |
| 64 | 7.562 | 7.548 | 7.570 | PV | 41 | 386  | 0.13% | 0.077% |
| 65 | 7.592 | 7.570 | 7.612 | VV | 45 | 865  | 0.30% | 0.173% |
| 66 | 7.632 | 7.612 | 7.671 | VV | 45 | 1015 | 0.35% | 0.203% |
| 67 | 7.683 | 7.671 | 7.707 | VV | 35 | 491  | 0.17% | 0.098% |
| 68 | 7.714 | 7.707 | 7.726 | VV | 24 | 198  | 0.07% | 0.040% |
| 69 | 7.744 | 7.726 | 7.752 | VV | 23 | 266  | 0.09% | 0.053% |
| 70 | 7.772 | 7.752 | 7.780 | VV | 43 | 442  | 0.15% | 0.088% |
| 71 | 7.785 | 7.780 | 7.803 | VV | 34 | 276  | 0.10% | 0.055% |
| 72 | 7.820 | 7.803 | 7.831 | VV | 37 | 374  | 0.13% | 0.075% |
| 73 | 7.839 | 7.831 | 7.855 | VV | 37 | 405  | 0.14% | 0.081% |
| 74 | 7.860 | 7.855 | 7.880 | VV | 34 | 430  | 0.15% | 0.086% |
| 75 | 7.911 | 7.880 | 7.924 | VV | 62 | 729  | 0.25% | 0.146% |
| 76 | 7.943 | 7.924 | 7.958 | VV | 40 | 461  | 0.16% | 0.092% |
| 77 | 7.969 | 7.958 | 7.978 | PV | 30 | 223  | 0.08% | 0.045% |
| 78 | 7.985 | 7.978 | 7.999 | PV | 24 | 208  | 0.07% | 0.042% |
| 79 | 8.005 | 7.999 | 8.011 | VV | 28 | 98   | 0.03% | 0.020% |
| 80 | 8.017 | 8.011 | 8.034 | VV | 25 | 160  | 0.06% | 0.032% |
| 81 | 8.044 | 8.034 | 8.052 | VV | 28 | 174  | 0.06% | 0.035% |
| 82 | 8.071 | 8.052 | 8.130 | VB | 40 | 712  | 0.25% | 0.142% |
| 83 | 8.156 | 8.132 | 8.162 | BV | 27 | 105  | 0.04% | 0.021% |
| 84 | 8.176 | 8.162 | 8.207 | VV | 34 | 676  | 0.24% | 0.135% |
| 85 | 8.248 | 8.207 | 8.256 | PV | 44 | 831  | 0.29% | 0.166% |
| 86 | 8.272 | 8.256 | 8.281 | VV | 58 | 531  | 0.18% | 0.106% |
| 87 | 8.291 | 8.281 | 8.316 | VV | 53 | 653  | 0.23% | 0.131% |
| 88 | 8.324 | 8.316 | 8.333 | VV | 44 | 353  | 0.12% | 0.071% |
| 89 | 8.340 | 8.333 | 8.348 | VV | 50 | 288  | 0.10% | 0.058% |

|     |        |        |        |    |            |        |         |         |
|-----|--------|--------|--------|----|------------|--------|---------|---------|
|     |        |        |        |    | rteres.txt |        |         |         |
| 90  | 8.358  | 8.348  | 8.370  | VV | 45         | 451    | 0.16%   | 0.090%  |
| 91  | 8.391  | 8.370  | 8.409  | VV | 45         | 831    | 0.29%   | 0.166%  |
| 92  | 8.419  | 8.409  | 8.428  | VV | 50         | 412    | 0.14%   | 0.082%  |
| 93  | 8.449  | 8.428  | 8.462  | VV | 62         | 790    | 0.27%   | 0.158%  |
| 94  | 8.468  | 8.462  | 8.475  | VV | 37         | 257    | 0.09%   | 0.051%  |
| 95  | 8.485  | 8.475  | 8.505  | VV | 50         | 483    | 0.17%   | 0.097%  |
| 96  | 8.535  | 8.505  | 8.601  | VV | 65         | 1757   | 0.61%   | 0.351%  |
| 97  | 8.692  | 8.601  | 8.706  | VV | 54         | 2193   | 0.76%   | 0.438%  |
| 98  | 8.719  | 8.706  | 8.764  | VV | 45         | 1134   | 0.39%   | 0.227%  |
| 99  | 8.772  | 8.764  | 8.826  | VV | 67         | 1333   | 0.46%   | 0.266%  |
| 100 | 8.859  | 8.826  | 8.876  | VV | 64         | 1122   | 0.39%   | 0.224%  |
| 101 | 8.998  | 8.876  | 9.185  | VV | 5137       | 287235 | 100.00% | 57.399% |
| 102 | 9.203  | 9.185  | 9.219  | VV | 50         | 747    | 0.26%   | 0.149%  |
| 103 | 9.251  | 9.219  | 9.276  | VV | 54         | 1488   | 0.52%   | 0.297%  |
| 104 | 10.800 | 10.786 | 10.885 | VV | 51         | 3012   | 1.05%   | 0.602%  |
| 105 | 10.901 | 10.885 | 10.921 | VV | 89         | 1184   | 0.41%   | 0.237%  |
| 106 | 11.008 | 10.921 | 11.077 | VV | 65         | 4737   | 1.65%   | 0.947%  |
| 107 | 11.079 | 11.077 | 11.111 | VV | 48         | 667    | 0.23%   | 0.133%  |
| 108 | 11.117 | 11.111 | 11.161 | VV | 40         | 863    | 0.30%   | 0.172%  |
| 109 | 11.191 | 11.161 | 11.230 | VV | 44         | 1286   | 0.45%   | 0.257%  |
| 110 | 11.243 | 11.230 | 11.262 | VV | 48         | 626    | 0.22%   | 0.125%  |
| 111 | 11.287 | 11.262 | 11.302 | VV | 43         | 659    | 0.23%   | 0.132%  |
| 112 | 11.341 | 11.302 | 11.408 | VV | 60         | 2028   | 0.71%   | 0.405%  |
| 113 | 11.422 | 11.408 | 11.472 | VV | 58         | 1314   | 0.46%   | 0.263%  |
| 114 | 11.512 | 11.472 | 11.577 | VV | 55         | 1956   | 0.68%   | 0.391%  |
| 115 | 11.705 | 11.577 | 11.852 | VV | 155        | 14982  | 5.22%   | 2.994%  |
| 116 | 11.882 | 11.852 | 11.896 | VV | 51         | 924    | 0.32%   | 0.185%  |
| 117 | 11.912 | 11.896 | 11.924 | VV | 33         | 545    | 0.19%   | 0.109%  |
| 118 | 12.024 | 11.924 | 12.068 | VV | 55         | 3572   | 1.24%   | 0.714%  |
| 119 | 12.098 | 12.068 | 12.113 | VV | 42         | 976    | 0.34%   | 0.195%  |
| 120 | 12.127 | 12.113 | 12.240 | VV | 58         | 2539   | 0.88%   | 0.507%  |
| 121 | 12.339 | 12.240 | 12.430 | VV | 60         | 4663   | 1.62%   | 0.932%  |
| 122 | 12.451 | 12.430 | 12.505 | VV | 63         | 1803   | 0.63%   | 0.360%  |
| 123 | 12.511 | 12.505 | 12.524 | VV | 56         | 492    | 0.17%   | 0.098%  |
| 124 | 12.558 | 12.524 | 12.655 | VV | 62         | 3388   | 1.18%   | 0.677%  |
| 125 | 12.667 | 12.655 | 12.711 | VV | 58         | 828    | 0.29%   | 0.166%  |
| 126 | 12.740 | 12.711 | 12.767 | VV | 27         | 838    | 0.29%   | 0.167%  |
| 127 | 12.786 | 12.767 | 12.814 | VV | 36         | 822    | 0.29%   | 0.164%  |
| 128 | 12.831 | 12.814 | 12.870 | VV | 51         | 794    | 0.28%   | 0.159%  |
| 129 | 12.931 | 12.870 | 13.033 | VV | 55         | 3286   | 1.14%   | 0.657%  |
| 130 | 13.053 | 13.033 | 13.076 | PV | 54         | 879    | 0.31%   | 0.176%  |
| 131 | 13.088 | 13.076 | 13.137 | VV | 51         | 1039   | 0.36%   | 0.208%  |
| 132 | 13.146 | 13.137 | 13.176 | VV | 31         | 534    | 0.19%   | 0.107%  |
| 133 | 13.202 | 13.176 | 13.254 | VV | 64         | 1633   | 0.57%   | 0.326%  |
| 134 | 13.300 | 13.254 | 13.352 | VV | 59         | 2155   | 0.75%   | 0.431%  |
| 135 | 13.381 | 13.352 | 13.396 | VV | 31         | 805    | 0.28%   | 0.161%  |
| 136 | 13.413 | 13.396 | 13.449 | VV | 58         | 1317   | 0.46%   | 0.263%  |
| 137 | 13.467 | 13.449 | 13.490 | VV | 43         | 789    | 0.27%   | 0.158%  |
| 138 | 13.575 | 13.490 | 13.624 | VV | 43         | 2154   | 0.75%   | 0.431%  |
| 139 | 13.634 | 13.624 | 13.663 | VV | 44         | 593    | 0.21%   | 0.118%  |
| 140 | 13.681 | 13.663 | 13.725 | VV | 36         | 851    | 0.30%   | 0.170%  |
| 141 | 13.800 | 13.725 | 13.854 | VV | 53         | 2326   | 0.81%   | 0.465%  |

|                         |        |        |        |    | rteres.txt |       |        |        |
|-------------------------|--------|--------|--------|----|------------|-------|--------|--------|
| 142                     | 13.877 | 13.854 | 13.898 | VV | 41         | 717   | 0.25%  | 0.143% |
| 143                     | 13.919 | 13.898 | 13.932 | VV | 32         | 459   | 0.16%  | 0.092% |
| 144                     | 13.958 | 13.932 | 14.002 | VV | 47         | 1273  | 0.44%  | 0.254% |
| 145                     | 14.082 | 14.002 | 14.155 | VV | 58         | 3469  | 1.21%  | 0.693% |
| 146                     | 14.169 | 14.155 | 14.211 | VV | 50         | 1419  | 0.49%  | 0.283% |
| 147                     | 14.349 | 14.211 | 14.503 | VV | 221        | 20987 | 7.31%  | 4.194% |
| 148                     | 14.611 | 14.503 | 14.645 | VV | 71         | 4242  | 1.48%  | 0.848% |
| 149                     | 14.667 | 14.645 | 14.682 | VV | 48         | 896   | 0.31%  | 0.179% |
| 150                     | 14.706 | 14.682 | 14.732 | VV | 56         | 1111  | 0.39%  | 0.222% |
| 151                     | 14.765 | 14.732 | 14.800 | PV | 49         | 1313  | 0.46%  | 0.262% |
| 152                     | 14.827 | 14.800 | 14.843 | VV | 42         | 945   | 0.33%  | 0.189% |
| 153                     | 14.861 | 14.843 | 14.878 | VV | 47         | 685   | 0.24%  | 0.137% |
| 154                     | 14.974 | 14.878 | 15.037 | VV | 41         | 2663  | 0.93%  | 0.532% |
| 155                     | 15.121 | 15.037 | 15.151 | PV | 48         | 2429  | 0.85%  | 0.485% |
| 156                     | 15.175 | 15.151 | 15.191 | VV | 41         | 865   | 0.30%  | 0.173% |
| 157                     | 15.208 | 15.191 | 15.221 | VV | 40         | 652   | 0.23%  | 0.130% |
| 158                     | 15.316 | 15.221 | 15.412 | VV | 126        | 8652  | 3.01%  | 1.729% |
| 159                     | 15.429 | 15.412 | 15.454 | VV | 45         | 946   | 0.33%  | 0.189% |
| 160                     | 15.490 | 15.454 | 15.589 | VV | 66         | 3542  | 1.23%  | 0.708% |
| 161                     | 15.607 | 15.589 | 15.629 | VV | 65         | 1027  | 0.36%  | 0.205% |
| 162                     | 15.701 | 15.629 | 15.719 | VV | 69         | 2988  | 1.04%  | 0.597% |
| 163                     | 15.732 | 15.719 | 15.842 | VV | 62         | 2781  | 0.97%  | 0.556% |
| 164                     | 15.875 | 15.842 | 15.893 | VV | 37         | 913   | 0.32%  | 0.183% |
| 165                     | 15.901 | 15.893 | 15.930 | VV | 34         | 450   | 0.16%  | 0.090% |
| 166                     | 15.970 | 15.930 | 16.002 | VV | 51         | 1230  | 0.43%  | 0.246% |
| 167                     | 16.059 | 16.002 | 16.096 | VV | 42         | 1491  | 0.52%  | 0.298% |
| 168                     | 16.110 | 16.096 | 16.129 | VV | 44         | 476   | 0.17%  | 0.095% |
| 169                     | 16.207 | 16.129 | 16.285 | PV | 91         | 5286  | 1.84%  | 1.056% |
| 170                     | 16.303 | 16.285 | 16.375 | VV | 53         | 1848  | 0.64%  | 0.369% |
| 171                     | 16.458 | 16.375 | 16.509 | VV | 76         | 3329  | 1.16%  | 0.665% |
| 172                     | 16.521 | 16.509 | 16.582 | VV | 44         | 1120  | 0.39%  | 0.224% |
| Sum of corrected areas: |        |        |        |    |            |       | 500419 |        |

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