

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG031119\  
 Data File : FG004122.D  
 Signal(s) : FID1A.ch  
 Acq On : 11 Mar 2019 21:19  
 Sample : K1837-13MSD  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\FG030419.M  
 Title :

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         | 4.167       | 4.145        | 4.268      | PH       | 174905         | 1669713      | 92.46%         | 10.161%       |
| 2         | 4.274       | 4.268        | 4.300      | PH       | 87             | -1024        | -0.06%         | -0.006%       |
| 3         | 4.322       | 4.300        | 4.532      | PH       | 1403           | -27696       | -1.53%         | -0.169%       |
| 4         | 4.542       | 4.532        | 4.582      | PH       | -445           | -16155       | -0.89%         | -0.098%       |
| 5         | 4.590       | 4.582        | 4.732      | PH       | -551           | -62235       | -3.45%         | -0.379%       |
| 6         | 4.764       | 4.732        | 4.808      | PH       | -363           | -31438       | -1.74%         | -0.191%       |
| 7         | 4.818       | 4.808        | 4.835      | PH       | -762           | -12582       | -0.70%         | -0.077%       |
| 8         | 4.846       | 4.835        | 4.879      | PH       | -759           | -21779       | -1.21%         | -0.133%       |
| 9         | 4.889       | 4.879        | 4.955      | PH       | -783           | -37649       | -2.08%         | -0.229%       |
| 10        | 4.965       | 4.955        | 5.017      | PH       | -842           | -32119       | -1.78%         | -0.195%       |
| 11        | 5.039       | 5.017        | 5.125      | PH       | -646           | -53167       | -2.94%         | -0.324%       |
| 12        | 5.149       | 5.125        | 5.191      | PH       | -830           | -36029       | -2.00%         | -0.219%       |
| 13        | 5.208       | 5.191        | 5.268      | PH       | -84            | -34625       | -1.92%         | -0.211%       |
| 14        | 5.287       | 5.268        | 5.381      | PH       | -467           | -54956       | -3.04%         | -0.334%       |
| 15        | 5.388       | 5.381        | 5.428      | PH       | -916           | -26543       | -1.47%         | -0.162%       |
| 16        | 5.458       | 5.428        | 5.488      | PH       | -877           | -34621       | -1.92%         | -0.211%       |
| 17        | 5.501       | 5.488        | 5.532      | PH       | -964           | -26690       | -1.48%         | -0.162%       |
| 18        | 5.558       | 5.532        | 5.598      | PH       | -917           | -40694       | -2.25%         | -0.248%       |
| 19        | 5.605       | 5.598        | 5.628      | PH       | -1079          | -19444       | -1.08%         | -0.118%       |
| 20        | 5.652       | 5.628        | 5.728      | PH       | -980           | -65604       | -3.63%         | -0.399%       |
| 21        | 5.745       | 5.728        | 5.787      | PH       | -872           | -36187       | -2.00%         | -0.220%       |
| 22        | 5.819       | 5.787        | 5.851      | PH       | -1007          | -41059       | -2.27%         | -0.250%       |
| 23        | 5.914       | 5.851        | 6.024      | PH       | 871            | -89562       | -4.96%         | -0.545%       |
| 24        | 6.056       | 6.024        | 6.109      | PH       | -1085          | -58255       | -3.23%         | -0.355%       |
| 25        | 6.119       | 6.109        | 6.158      | PH       | -1152          | -34738       | -1.92%         | -0.211%       |
| 26        | 6.189       | 6.158        | 6.321      | PH       | 161604         | 1651191      | 91.43%         | 10.049%       |
| 27        | 6.330       | 6.321        | 6.381      | PH       | -729           | -31138       | -1.72%         | -0.189%       |
| 28        | 6.398       | 6.381        | 6.437      | PH       | -831           | -31698       | -1.76%         | -0.193%       |
| 29        | 6.459       | 6.437        | 6.544      | PH       | -869           | -64186       | -3.55%         | -0.391%       |
| 30        | 6.553       | 6.544        | 6.575      | PH       | -1108          | -20853       | -1.15%         | -0.127%       |
| 31        | 6.577       | 6.575        | 6.611      | PH       | -1079          | -25553       | -1.41%         | -0.156%       |
| 32        | 6.629       | 6.611        | 6.665      | PH       | -1105          | -37139       | -2.06%         | -0.226%       |
| 33        | 6.672       | 6.665        | 6.687      | PH       | -1146          | -15915       | -0.88%         | -0.097%       |
| 34        | 6.736       | 6.687        | 6.775      | PH       | -1046          | -59551       | -3.30%         | -0.362%       |
| 35        | 6.805       | 6.775        | 6.831      | PH       | -799           | -35337       | -1.96%         | -0.215%       |
| 36        | 6.849       | 6.831        | 6.857      | PH       | -1082          | -17641       | -0.98%         | -0.107%       |

|    |        |        |        |    | rteres |         |        |         |
|----|--------|--------|--------|----|--------|---------|--------|---------|
| 37 | 6.884  | 6.857  | 6.906  | PH | -916   | -31600  | -1.75% | -0.192% |
| 38 | 6.913  | 6.906  | 6.938  | PH | -1158  | -23134  | -1.28% | -0.141% |
| 39 | 6.960  | 6.938  | 6.999  | PH | -1142  | -44785  | -2.48% | -0.273% |
| 40 | 7.007  | 6.999  | 7.038  | PH | -1195  | -28430  | -1.57% | -0.173% |
|    |        |        |        |    |        |         |        |         |
| 41 | 7.065  | 7.038  | 7.081  | PH | -1177  | -31705  | -1.76% | -0.193% |
| 42 | 7.113  | 7.081  | 7.205  | PH | -796   | -86104  | -4.77% | -0.524% |
| 43 | 7.232  | 7.205  | 7.248  | PH | -1226  | -31750  | -1.76% | -0.193% |
| 44 | 7.255  | 7.248  | 7.285  | PH | -1182  | -27086  | -1.50% | -0.165% |
| 45 | 7.294  | 7.285  | 7.318  | PH | -1218  | -25704  | -1.42% | -0.156% |
|    |        |        |        |    |        |         |        |         |
| 46 | 7.331  | 7.318  | 7.354  | PH | -1239  | -27509  | -1.52% | -0.167% |
| 47 | 7.385  | 7.354  | 7.413  | PH | -855   | -40927  | -2.27% | -0.249% |
| 48 | 7.423  | 7.413  | 7.452  | PH | -1202  | -29504  | -1.63% | -0.180% |
| 49 | 7.461  | 7.452  | 7.476  | PH | -1250  | -19153  | -1.06% | -0.117% |
| 50 | 7.486  | 7.476  | 7.503  | PH | -1295  | -21067  | -1.17% | -0.128% |
|    |        |        |        |    |        |         |        |         |
| 51 | 7.555  | 7.503  | 7.614  | PH | -755   | -73890  | -4.09% | -0.450% |
| 52 | 7.671  | 7.614  | 7.705  | PH | -829   | -65206  | -3.61% | -0.397% |
| 53 | 7.728  | 7.705  | 7.787  | PH | -1158  | -64773  | -3.59% | -0.394% |
| 54 | 7.847  | 7.787  | 7.875  | PH | -1094  | -68410  | -3.79% | -0.416% |
| 55 | 7.897  | 7.875  | 7.914  | PH | -1240  | -29990  | -1.66% | -0.183% |
|    |        |        |        |    |        |         |        |         |
| 56 | 7.983  | 7.914  | 8.021  | PH | 169216 | 1734942 | 96.07% | 10.558% |
| 57 | 8.042  | 8.021  | 8.185  | HH | 29510  | 329330  | 18.24% | 2.004%  |
| 58 | 8.214  | 8.185  | 8.295  | PH | -706   | -58740  | -3.25% | -0.357% |
| 59 | 8.334  | 8.295  | 8.355  | PH | -713   | -34780  | -1.93% | -0.212% |
| 60 | 8.406  | 8.355  | 8.433  | PH | -712   | -42864  | -2.37% | -0.261% |
|    |        |        |        |    |        |         |        |         |
| 61 | 8.459  | 8.433  | 8.501  | PH | 65     | -24434  | -1.35% | -0.149% |
| 62 | 8.518  | 8.501  | 8.558  | PH | -729   | -33094  | -1.83% | -0.201% |
| 63 | 8.568  | 8.558  | 8.685  | PH | -1008  | -87130  | -4.82% | -0.530% |
| 64 | 8.717  | 8.685  | 8.780  | PH | -843   | -60884  | -3.37% | -0.371% |
| 65 | 8.806  | 8.780  | 8.845  | PH | -270   | -34509  | -1.91% | -0.210% |
|    |        |        |        |    |        |         |        |         |
| 66 | 8.853  | 8.845  | 8.874  | PH | -1148  | -20901  | -1.16% | -0.127% |
| 67 | 8.888  | 8.874  | 8.927  | PH | -1112  | -39142  | -2.17% | -0.238% |
| 68 | 8.937  | 8.927  | 8.978  | PH | -1223  | -38394  | -2.13% | -0.234% |
| 69 | 8.992  | 8.978  | 9.011  | PH | -1147  | -24484  | -1.36% | -0.149% |
| 70 | 9.031  | 9.011  | 9.058  | PH | -1130  | -33316  | -1.84% | -0.203% |
|    |        |        |        |    |        |         |        |         |
| 71 | 9.088  | 9.058  | 9.112  | PH | -1115  | -38522  | -2.13% | -0.234% |
| 72 | 9.123  | 9.112  | 9.145  | PH | -1238  | -25220  | -1.40% | -0.153% |
| 73 | 9.179  | 9.145  | 9.206  | PH | -640   | -33703  | -1.87% | -0.205% |
| 74 | 9.221  | 9.206  | 9.250  | PH | -776   | -24358  | -1.35% | -0.148% |
| 75 | 9.264  | 9.250  | 9.283  | PH | -989   | -20916  | -1.16% | -0.127% |
|    |        |        |        |    |        |         |        |         |
| 76 | 9.307  | 9.283  | 9.332  | PH | -775   | -29341  | -1.62% | -0.179% |
| 77 | 9.359  | 9.332  | 9.391  | PH | -892   | -38786  | -2.15% | -0.236% |
| 78 | 9.410  | 9.391  | 9.438  | PH | -398   | -24642  | -1.36% | -0.150% |
| 79 | 9.447  | 9.438  | 9.462  | PH | -1179  | -17367  | -0.96% | -0.106% |
| 80 | 9.504  | 9.462  | 9.516  | PH | -909   | -36117  | -2.00% | -0.220% |
|    |        |        |        |    |        |         |        |         |
| 81 | 9.528  | 9.516  | 9.547  | PH | -1003  | -19356  | -1.07% | -0.118% |
| 82 | 9.583  | 9.547  | 9.685  | PH | 156680 | 1746868 | 96.73% | 10.631% |
| 83 | 9.687  | 9.685  | 9.743  | PH | -408   | -20046  | -1.11% | -0.122% |
| 84 | 9.751  | 9.743  | 9.770  | PH | -576   | -10802  | -0.60% | -0.066% |
| 85 | 9.791  | 9.770  | 9.888  | PH | -504   | -49416  | -2.74% | -0.301% |
|    |        |        |        |    |        |         |        |         |
| 86 | 9.929  | 9.888  | 9.938  | PH | -514   | -20096  | -1.11% | -0.122% |
| 87 | 9.965  | 9.938  | 9.988  | PH | -328   | -14374  | -0.80% | -0.087% |
| 88 | 9.999  | 9.988  | 10.007 | PH | -482   | -6352   | -0.35% | -0.039% |
| 89 | 10.022 | 10.007 | 10.041 | PH | -418   | -10254  | -0.57% | -0.062% |

|     |        |        |        |    |        |         |        |         |
|-----|--------|--------|--------|----|--------|---------|--------|---------|
|     |        |        |        |    | rteres |         |        |         |
| 90  | 10.059 | 10.041 | 10.077 | PH | -399   | -11295  | -0.63% | -0.069% |
| 91  | 10.089 | 10.077 | 10.149 | PH | -492   | -25494  | -1.41% | -0.155% |
| 92  | 10.164 | 10.149 | 10.176 | PH | -682   | -12352  | -0.68% | -0.075% |
| 93  | 10.199 | 10.176 | 10.218 | PH | -261   | -13899  | -0.77% | -0.085% |
| 94  | 10.240 | 10.218 | 10.267 | PH | -485   | -17699  | -0.98% | -0.108% |
| 95  | 10.281 | 10.267 | 10.290 | PH | -659   | -9862   | -0.55% | -0.060% |
| 96  | 10.321 | 10.290 | 10.355 | PH | 87     | -19338  | -1.07% | -0.118% |
| 97  | 10.395 | 10.355 | 10.423 | PH | -420   | -24328  | -1.35% | -0.148% |
| 98  | 10.441 | 10.423 | 10.485 | PH | -357   | -23726  | -1.31% | -0.144% |
| 99  | 10.540 | 10.485 | 10.564 | PH | -676   | -38233  | -2.12% | -0.233% |
| 100 | 10.584 | 10.564 | 10.596 | PH | -665   | -14742  | -0.82% | -0.090% |
| 101 | 10.624 | 10.596 | 10.659 | PH | 60     | -13295  | -0.74% | -0.081% |
| 102 | 10.669 | 10.659 | 10.680 | PH | -449   | -5945   | -0.33% | -0.036% |
| 103 | 10.697 | 10.680 | 10.720 | PH | -194   | -9542   | -0.53% | -0.058% |
| 104 | 10.735 | 10.720 | 10.758 | PH | -356   | -11576  | -0.64% | -0.070% |
| 105 | 10.777 | 10.758 | 10.810 | PH | -249   | -18514  | -1.03% | -0.113% |
| 106 | 10.829 | 10.810 | 10.862 | PH | -408   | -20620  | -1.14% | -0.125% |
| 107 | 10.881 | 10.862 | 10.893 | PH | -656   | -14061  | -0.78% | -0.086% |
| 108 | 10.898 | 10.893 | 10.933 | PH | -724   | -19535  | -1.08% | -0.119% |
| 109 | 10.961 | 10.933 | 10.987 | PH | -586   | -22349  | -1.24% | -0.136% |
| 110 | 11.025 | 10.987 | 11.085 | PH | 148592 | 1759277 | 97.42% | 10.706% |
| 111 | 11.110 | 11.085 | 11.137 | HH | 710    | 14017   | 0.78%  | 0.085%  |
| 112 | 11.158 | 11.137 | 11.240 | HH | 434    | 2316    | 0.13%  | 0.014%  |
| 113 | 11.253 | 11.240 | 11.285 | PH | -424   | -15647  | -0.87% | -0.095% |
| 114 | 11.324 | 11.285 | 11.392 | PH | -122   | -29827  | -1.65% | -0.182% |
| 115 | 11.421 | 11.392 | 11.436 | PH | -383   | -12043  | -0.67% | -0.073% |
| 116 | 11.451 | 11.436 | 11.478 | PH | -377   | -12449  | -0.69% | -0.076% |
| 117 | 11.504 | 11.478 | 11.557 | PH | -467   | -30138  | -1.67% | -0.183% |
| 118 | 11.583 | 11.557 | 11.605 | PH | -655   | -21802  | -1.21% | -0.133% |
| 119 | 11.626 | 11.605 | 11.647 | PH | -682   | -18283  | -1.01% | -0.111% |
| 120 | 11.694 | 11.647 | 11.731 | PH | 189    | -21094  | -1.17% | -0.128% |
| 121 | 11.736 | 11.731 | 11.754 | PH | -426   | -6733   | -0.37% | -0.041% |
| 122 | 11.774 | 11.754 | 11.808 | PH | -235   | -15423  | -0.85% | -0.094% |
| 123 | 11.835 | 11.808 | 11.868 | PH | -551   | -22836  | -1.26% | -0.139% |
| 124 | 11.883 | 11.868 | 11.901 | PH | -425   | -10817  | -0.60% | -0.066% |
| 125 | 11.915 | 11.901 | 11.928 | PH | -433   | -8594   | -0.48% | -0.052% |
| 126 | 11.952 | 11.928 | 12.055 | PH | 10115  | 124859  | 6.91%  | 0.760%  |
| 127 | 12.074 | 12.055 | 12.088 | PH | -136   | -4143   | -0.23% | -0.025% |
| 128 | 12.106 | 12.088 | 12.136 | PH | -40    | -6160   | -0.34% | -0.037% |
| 129 | 12.158 | 12.136 | 12.201 | PH | -161   | -12937  | -0.72% | -0.079% |
| 130 | 12.211 | 12.201 | 12.225 | PH | -439   | -6327   | -0.35% | -0.039% |
| 131 | 12.239 | 12.225 | 12.254 | PH | -340   | -6773   | -0.38% | -0.041% |
| 132 | 12.270 | 12.254 | 12.298 | PH | -309   | -10727  | -0.59% | -0.065% |
| 133 | 12.334 | 12.298 | 12.376 | PH | 142698 | 1746566 | 96.71% | 10.629% |
| 134 | 12.395 | 12.376 | 12.527 | HH | 1396   | 48071   | 2.66%  | 0.293%  |
| 135 | 12.551 | 12.527 | 12.571 | PH | -174   | -7134   | -0.40% | -0.043% |
| 136 | 12.586 | 12.571 | 12.608 | PH | -201   | -6137   | -0.34% | -0.037% |
| 137 | 12.649 | 12.608 | 12.664 | PH | -239   | -11491  | -0.64% | -0.070% |
| 138 | 12.688 | 12.664 | 12.710 | PH | 75     | -2990   | -0.17% | -0.018% |
| 139 | 12.733 | 12.710 | 12.758 | PH | 282    | 1879    | 0.10%  | 0.011%  |
| 140 | 12.777 | 12.758 | 12.815 | PH | -48    | -7456   | -0.41% | -0.045% |
| 141 | 12.830 | 12.815 | 12.919 | PH | -253   | -28327  | -1.57% | -0.172% |

|     |        |        |        |     |                         |          |         |         |
|-----|--------|--------|--------|-----|-------------------------|----------|---------|---------|
|     |        |        |        |     | rters                   |          |         |         |
| 142 | 12.946 | 12.919 | 12.981 | PH  | 195                     | -10173   | -0.56%  | -0.062% |
| 143 | 12.995 | 12.981 | 13.055 | PH  | -435                    | -22477   | -1.24%  | -0.137% |
| 144 | 13.065 | 13.055 | 13.093 | PH  | -533                    | -13200   | -0.73%  | -0.080% |
| 145 | 13.103 | 13.093 | 13.124 | PH  | -628                    | -12148   | -0.67%  | -0.074% |
| 146 | 13.184 | 13.124 | 13.241 | PH  | -234                    | -30215   | -1.67%  | -0.184% |
| 147 | 13.253 | 13.241 | 13.272 | PH  | -549                    | -10821   | -0.60%  | -0.066% |
| 148 | 13.292 | 13.272 | 13.304 | PH  | -573                    | -11851   | -0.66%  | -0.072% |
| 149 | 13.335 | 13.304 | 13.416 | PH  | -319                    | -36818   | -2.04%  | -0.224% |
| 150 | 13.447 | 13.416 | 13.461 | PH  | -576                    | -17393   | -0.96%  | -0.106% |
| 151 | 13.486 | 13.461 | 13.498 | PH  | -177                    | -8625    | -0.48%  | -0.052% |
| 152 | 13.533 | 13.498 | 13.738 | PH  | 129732                  | 1666062  | 92.26%  | 10.139% |
| 153 | 13.748 | 13.738 | 13.805 | PH  | -559                    | -27943   | -1.55%  | -0.170% |
| 154 | 13.814 | 13.805 | 13.865 | PH  | -758                    | -28581   | -1.58%  | -0.174% |
| 155 | 13.925 | 13.865 | 14.041 | PH  | 106                     | -60191   | -3.33%  | -0.366% |
| 156 | 14.047 | 14.041 | 14.061 | PH  | -807                    | -9590    | -0.53%  | -0.058% |
| 157 | 14.095 | 14.061 | 14.125 | PH  | 674                     | -6899    | -0.38%  | -0.042% |
| 158 | 14.162 | 14.125 | 14.239 | PH  | 195                     | -8075    | -0.45%  | -0.049% |
| 159 | 14.249 | 14.239 | 14.277 | PH  | -419                    | -11510   | -0.64%  | -0.070% |
| 160 | 14.295 | 14.277 | 14.304 | PH  | -501                    | -8696    | -0.48%  | -0.053% |
| 161 | 14.329 | 14.304 | 14.391 | PH  | -60                     | -19714   | -1.09%  | -0.120% |
| 162 | 14.434 | 14.391 | 14.565 | PH  | 105783                  | 1479710  | 81.94%  | 9.005%  |
| 163 | 14.636 | 14.565 | 14.806 | PH  | 127367                  | 1693195  | 93.76%  | 10.304% |
| 164 | 14.830 | 14.806 | 14.911 | PH  | -291                    | -27341   | -1.51%  | -0.166% |
| 165 | 14.973 | 14.911 | 14.985 | PH  | -231                    | -15384   | -0.85%  | -0.094% |
| 166 | 15.016 | 14.985 | 15.128 | PH  | 19251                   | 331060   | 18.33%  | 2.015%  |
| 167 | 15.156 | 15.128 | 15.185 | PH  | 4428                    | 64462    | 3.57%   | 0.392%  |
| 168 | 15.209 | 15.185 | 15.243 | HH  | 3165                    | 40135    | 2.22%   | 0.244%  |
| 169 | 15.264 | 15.243 | 15.282 | PH  | 148                     | 827      | 0.05%   | 0.005%  |
| 170 | 15.291 | 15.282 | 15.311 | PH  | 31                      | 98       | 0.01%   | 0.001%  |
| 171 | 15.322 | 15.311 | 15.365 | PH  | -20                     | -2842    | -0.16%  | -0.017% |
| 172 | 15.414 | 15.365 | 15.428 | PH  | 28                      | -2732    | -0.15%  | -0.017% |
| 173 | 15.458 | 15.428 | 15.471 | PH  | 116                     | 1001     | 0.06%   | 0.006%  |
| 174 | 15.478 | 15.471 | 15.505 | HH  | 141                     | 1062     | 0.06%   | 0.006%  |
| 175 | 15.533 | 15.505 | 15.594 | PH  | 814                     | 12609    | 0.70%   | 0.077%  |
| 176 | 15.659 | 15.594 | 15.811 | PH  | 126209                  | 1751594  | 96.99%  | 10.660% |
| 177 | 15.875 | 15.811 | 15.894 | HH  | 299                     | 11435    | 0.63%   | 0.070%  |
| 178 | 15.938 | 15.894 | 15.957 | HH  | 897                     | 19422    | 1.08%   | 0.118%  |
| 179 | 15.967 | 15.957 | 15.991 | HH  | 616                     | 10622    | 0.59%   | 0.065%  |
| 180 | 16.031 | 15.991 | 16.081 | HH  | 2247                    | 57418    | 3.18%   | 0.349%  |
| 181 | 16.141 | 16.081 | 16.176 | HH  | 11673                   | 191823   | 10.62%  | 1.167%  |
| 182 | 16.199 | 16.176 | 16.240 | HH  | 1219                    | 39890    | 2.21%   | 0.243%  |
| 183 | 16.272 | 16.240 | 16.371 | HH  | 9276                    | 230912   | 12.79%  | 1.405%  |
| 184 | 16.442 | 16.371 | 16.460 | HH  | 1504                    | 65554    | 3.63%   | 0.399%  |
| 185 | 16.493 | 16.460 | 16.545 | HH  | 1518                    | 65274    | 3.61%   | 0.397%  |
| 186 | 16.610 | 16.545 | 16.639 | HH  | 122208                  | 1805914  | 100.00% | 10.990% |
| 187 | 16.651 | 16.639 | 16.671 | HHA | 8587                    | 125945   | 6.97%   | 0.766%  |
|     |        |        |        |     | Sum of corrected areas: | 16432213 |         |         |

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