

Instrument :  
FID\_G  
ClientSampleId :  
MW-00-20190515MSD

Area Percent Report

Manual Integrations  
APPROVED

Ankita  
5/20/2019 11:42:32 AM

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG051719\  
Data File : FG004973.D  
Signal(s) : FID1A.ch  
Acq On : 17 May 2019 16:54  
Sample : K2884-03MSD  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\FG050919.M  
Title :

Signal : FID1A.ch

| peak # | R.T. min | Start min | End min | PK TY | peak height | peak area | peak % max | % of total |
|--------|----------|-----------|---------|-------|-------------|-----------|------------|------------|
| 1      | 2.283    | 2.255     | 2.296   | BV    | 125         | 564       | 0.02%      | 0.001%     |
| 2      | 2.311    | 2.296     | 2.329   | PV    | 594         | 4970      | 0.19%      | 0.009%     |
| 3      | 2.370    | 2.329     | 2.401   | VV    | 232438      | 1721984   | 64.45%     | 2.962%     |
| 4      | 2.446    | 2.401     | 2.488   | VV    | 523         | 12777     | 0.48%      | 0.022%     |
| 5      | 2.504    | 2.488     | 2.518   | VV    | 427         | 3867      | 0.14%      | 0.007%     |
| 6      | 2.529    | 2.518     | 2.538   | VV    | 183         | 1830      | 0.07%      | 0.003%     |
| 7      | 2.544    | 2.538     | 2.557   | VV    | 335         | 2396      | 0.09%      | 0.004%     |
| 8      | 2.578    | 2.557     | 2.593   | VV    | 779         | 9849      | 0.37%      | 0.017%     |
| 9      | 2.601    | 2.593     | 2.610   | VV    | 570         | 5330      | 0.20%      | 0.009%     |
| 10     | 2.622    | 2.610     | 2.637   | VV    | 1019        | 12243     | 0.46%      | 0.021%     |
| 11     | 2.649    | 2.637     | 2.675   | VV    | 890         | 11093     | 0.42%      | 0.019%     |
| 12     | 2.686    | 2.675     | 2.695   | VV    | 347         | 2669      | 0.10%      | 0.005%     |
| 13     | 2.706    | 2.695     | 2.716   | VV    | 366         | 3260      | 0.12%      | 0.006%     |
| 14     | 2.730    | 2.716     | 2.745   | VV    | 979         | 8655      | 0.32%      | 0.015%     |
| 15     | 2.771    | 2.745     | 2.811   | VV    | 765         | 14925     | 0.56%      | 0.026%     |
| 16     | 2.838    | 2.811     | 2.848   | VV    | 1387        | 19360     | 0.72%      | 0.033%     |
| 17     | 2.858    | 2.848     | 2.881   | VV    | 1661        | 15430     | 0.58%      | 0.027%     |
| 18     | 2.898    | 2.881     | 2.912   | VV    | 460         | 5908      | 0.22%      | 0.010%     |
| 19     | 2.936    | 2.912     | 2.968   | VV    | 1774        | 24761     | 0.93%      | 0.043%     |
| 20     | 2.990    | 2.968     | 3.033   | VV    | 487         | 11651     | 0.44%      | 0.020%     |
| 21     | 3.062    | 3.033     | 3.075   | VV    | 832         | 11607     | 0.43%      | 0.020%     |
| 22     | 3.108    | 3.075     | 3.131   | VV    | 1041        | 21802     | 0.82%      | 0.037%     |
| 23     | 3.157    | 3.131     | 3.199   | VV    | 1830        | 34421     | 1.29%      | 0.059%     |
| 24     | 3.217    | 3.199     | 3.238   | VV    | 932         | 16854     | 0.63%      | 0.029%     |
| 25     | 3.250    | 3.238     | 3.271   | VV    | 1108        | 12714     | 0.48%      | 0.022%     |
| 26     | 3.281    | 3.271     | 3.292   | VV    | 313         | 2972      | 0.11%      | 0.005%     |
| 27     | 3.301    | 3.292     | 3.338   | VV    | 279         | 5746      | 0.22%      | 0.010%     |
| 28     | 3.354    | 3.338     | 3.367   | VV    | 737         | 8043      | 0.30%      | 0.014%     |
| 29     | 3.401    | 3.367     | 3.413   | VV    | 1197        | 22413     | 0.84%      | 0.039%     |
| 30     | 3.427    | 3.413     | 3.441   | VV    | 2040        | 20350     | 0.76%      | 0.035%     |

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|    |       |       |       |    |        |         | rt     | Area   | %Area | %Area |
|----|-------|-------|-------|----|--------|---------|--------|--------|-------|-------|
| 31 | 3.452 | 3.441 | 3.491 | VV | 1121   | 13881   | 0.52%  | 0.024% |       |       |
| 32 | 3.509 | 3.491 | 3.521 | PV | 249    | 2676    | 0.10%  | 0.005% |       |       |
| 33 | 3.536 | 3.521 | 3.548 | VV | 1224   | 11972   | 0.45%  | 0.021% |       |       |
| 34 | 3.559 | 3.548 | 3.573 | VV | 1051   | 11444   | 0.43%  | 0.020% |       |       |
| 35 | 3.586 | 3.573 | 3.635 | VV | 985    | 26155   | 0.98%  | 0.045% |       |       |
| 36 | 3.652 | 3.635 | 3.665 | VV | 963    | 11441   | 0.43%  | 0.020% |       |       |
| 37 | 3.683 | 3.665 | 3.713 | VV | 1358   | 19224   | 0.72%  | 0.033% |       |       |
| 38 | 3.759 | 3.713 | 3.781 | VV | 839    | 19667   | 0.74%  | 0.034% |       |       |
| 39 | 3.813 | 3.781 | 3.836 | VV | 1221   | 25553   | 0.96%  | 0.044% |       |       |
| 40 | 3.856 | 3.836 | 3.867 | VV | 754    | 9745    | 0.36%  | 0.017% |       |       |
| 41 | 3.879 | 3.867 | 3.892 | VV | 956    | 10807   | 0.40%  | 0.019% |       |       |
| 42 | 3.908 | 3.892 | 3.944 | VV | 1360   | 26655   | 1.00%  | 0.046% |       |       |
| 43 | 3.957 | 3.944 | 3.971 | VV | 512    | 5949    | 0.22%  | 0.010% |       |       |
| 44 | 4.000 | 3.971 | 4.018 | VV | 1064   | 17905   | 0.67%  | 0.031% |       |       |
| 45 | 4.029 | 4.018 | 4.051 | VV | 692    | 10942   | 0.41%  | 0.019% |       |       |
| 46 | 4.074 | 4.051 | 4.093 | VV | 1454   | 21215   | 0.79%  | 0.036% |       |       |
| 47 | 4.125 | 4.093 | 4.136 | VV | 1278   | 27215   | 1.02%  | 0.047% |       |       |
| 48 | 4.146 | 4.136 | 4.156 | VV | 1326   | 13154   | 0.49%  | 0.023% |       |       |
| 49 | 4.177 | 4.156 | 4.205 | VV | 1323   | 29319   | 1.10%  | 0.050% |       |       |
| 50 | 4.227 | 4.205 | 4.270 | VV | 1666   | 40304   | 1.51%  | 0.069% |       |       |
| 51 | 4.285 | 4.270 | 4.308 | VV | 1104   | 19048   | 0.71%  | 0.033% |       |       |
| 52 | 4.326 | 4.308 | 4.373 | VV | 1368   | 31235   | 1.17%  | 0.054% |       |       |
| 53 | 4.403 | 4.373 | 4.424 | VV | 1424   | 25770   | 0.96%  | 0.044% |       |       |
| 54 | 4.483 | 4.424 | 4.511 | VV | 254363 | 2345101 | 87.77% | 4.033% |       |       |
| 55 | 4.525 | 4.511 | 4.543 | VV | 1101   | 16772   | 0.63%  | 0.029% |       |       |
| 56 | 4.561 | 4.543 | 4.579 | VV | 1053   | 19079   | 0.71%  | 0.033% |       |       |
| 57 | 4.590 | 4.579 | 4.621 | VV | 872    | 16126   | 0.60%  | 0.028% |       |       |
| 58 | 4.639 | 4.621 | 4.659 | VV | 1442   | 20196   | 0.76%  | 0.035% |       |       |
| 59 | 4.689 | 4.659 | 4.751 | VV | 4183   | 78229   | 2.93%  | 0.135% |       |       |
| 60 | 4.777 | 4.751 | 4.797 | VV | 962    | 19854   | 0.74%  | 0.034% |       |       |
| 61 | 4.822 | 4.797 | 4.882 | VV | 4230   | 63187   | 2.36%  | 0.109% |       |       |
| 62 | 4.901 | 4.882 | 4.912 | VV | 581    | 8543    | 0.32%  | 0.015% |       |       |
| 63 | 4.922 | 4.912 | 4.944 | VV | 553    | 9462    | 0.35%  | 0.016% |       |       |
| 64 | 4.987 | 4.944 | 5.005 | VV | 1244   | 24812   | 0.93%  | 0.043% |       |       |
| 65 | 5.021 | 5.005 | 5.061 | VV | 533    | 13929   | 0.52%  | 0.024% |       |       |
| 66 | 5.091 | 5.061 | 5.105 | VV | 595    | 12103   | 0.45%  | 0.021% |       |       |
| 67 | 5.142 | 5.105 | 5.161 | VV | 777    | 19482   | 0.73%  | 0.034% |       |       |
| 68 | 5.188 | 5.161 | 5.208 | VV | 1226   | 20925   | 0.78%  | 0.036% |       |       |
| 69 | 5.231 | 5.208 | 5.275 | VV | 1132   | 26480   | 0.99%  | 0.046% |       |       |
| 70 | 5.341 | 5.275 | 5.357 | VV | 596    | 24594   | 0.92%  | 0.042% |       |       |
| 71 | 5.387 | 5.357 | 5.407 | VV | 572    | 14714   | 0.55%  | 0.025% |       |       |
| 72 | 5.426 | 5.407 | 5.459 | VV | 1205   | 20171   | 0.75%  | 0.035% |       |       |
| 73 | 5.474 | 5.459 | 5.498 | VV | 504    | 9604    | 0.36%  | 0.017% |       |       |
| 74 | 5.525 | 5.498 | 5.545 | VV | 2242   | 30948   | 1.16%  | 0.053% |       |       |
| 75 | 5.565 | 5.545 | 5.584 | VV | 986    | 15253   | 0.57%  | 0.026% |       |       |
| 76 | 5.597 | 5.584 | 5.637 | VV | 597    | 12163   | 0.46%  | 0.021% |       |       |
| 77 | 5.663 | 5.637 | 5.685 | VV | 413    | 8751    | 0.33%  | 0.015% |       |       |

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|--------|-------|-------|-------|----|--------|---------|--------|--------|--|
| 78     | 5.714 | 5.685 | 5.757 | VV | 714    | 21407   | 0.80%  | 0.037% |  |
| 79     | 5.788 | 5.757 | 5.851 | VV | 414    | 15167   | 0.57%  | 0.026% |  |
| 80     | 5.869 | 5.851 | 5.889 | VV | 251    | 4308    | 0.16%  | 0.007% |  |
| 81     | 5.923 | 5.889 | 5.952 | VV | 453    | 11892   | 0.45%  | 0.020% |  |
| 82     | 5.967 | 5.952 | 5.988 | VV | 299    | 3738    | 0.14%  | 0.006% |  |
| 83     | 6.018 | 5.988 | 6.028 | VV | 299    | 5206    | 0.19%  | 0.009% |  |
| 84     | 6.054 | 6.028 | 6.071 | VV | 744    | 11493   | 0.43%  | 0.020% |  |
| 85     | 6.086 | 6.071 | 6.101 | VV | 987    | 11118   | 0.42%  | 0.019% |  |
| 86     | 6.124 | 6.101 | 6.145 | VV | 488    | 10494   | 0.39%  | 0.018% |  |
| 87     | 6.154 | 6.145 | 6.171 | VV | 285    | 4025    | 0.15%  | 0.007% |  |
| 88     | 6.187 | 6.171 | 6.206 | VV | 543    | 7388    | 0.28%  | 0.013% |  |
| 89     | 6.228 | 6.206 | 6.258 | VV | 419    | 9046    | 0.34%  | 0.016% |  |
| 90     | 6.263 | 6.258 | 6.293 | VV | 224    | 3510    | 0.13%  | 0.006% |  |
| 91     | 6.352 | 6.293 | 6.383 | VV | 491    | 18061   | 0.68%  | 0.031% |  |
| 92     | 6.417 | 6.383 | 6.432 | VV | 587    | 11408   | 0.43%  | 0.020% |  |
| 93     | 6.446 | 6.432 | 6.481 | VV | 379    | 10197   | 0.38%  | 0.018% |  |
| 94     | 6.512 | 6.481 | 6.560 | VV | 243208 | 2370877 | 88.73% | 4.078% |  |
| 95     | 6.575 | 6.560 | 6.625 | VV | 425    | 10319   | 0.39%  | 0.018% |  |
| 96     | 6.671 | 6.625 | 6.698 | VV | 832    | 14703   | 0.55%  | 0.025% |  |
| 97     | 6.722 | 6.698 | 6.732 | VV | 139    | 2247    | 0.08%  | 0.004% |  |
| 98     | 6.752 | 6.732 | 6.774 | VV | 277    | 4521    | 0.17%  | 0.008% |  |
| 99     | 6.794 | 6.774 | 6.823 | VV | 1029   | 13087   | 0.49%  | 0.023% |  |
| 100    | 6.860 | 6.823 | 6.915 | VV | 1574   | 22053   | 0.83%  | 0.038% |  |
| 101    | 6.941 | 6.915 | 6.959 | VV | 552    | 6911    | 0.26%  | 0.012% |  |
| 102    | 6.991 | 6.959 | 7.013 | VV | 669    | 12302   | 0.46%  | 0.021% |  |
| 103    | 7.021 | 7.013 | 7.061 | VV | 248    | 5346    | 0.20%  | 0.009% |  |
| 104    | 7.076 | 7.061 | 7.082 | VV | 166    | 1616    | 0.06%  | 0.003% |  |
| 105    | 7.099 | 7.082 | 7.112 | VV | 319    | 3714    | 0.14%  | 0.006% |  |
| 106    | 7.144 | 7.112 | 7.163 | VV | 864    | 12718   | 0.48%  | 0.022% |  |
| 107    | 7.189 | 7.163 | 7.205 | VV | 355    | 6791    | 0.25%  | 0.012% |  |
| 108    | 7.213 | 7.205 | 7.222 | VV | 251    | 2093    | 0.08%  | 0.004% |  |
| 109    | 7.239 | 7.222 | 7.251 | VV | 244    | 3374    | 0.13%  | 0.006% |  |
| 110    | 7.259 | 7.251 | 7.297 | VV | 248    | 5199    | 0.19%  | 0.009% |  |
| 111    | 7.313 | 7.297 | 7.334 | VV | 262    | 4141    | 0.15%  | 0.007% |  |
| 112    | 7.347 | 7.334 | 7.365 | VV | 203    | 3322    | 0.12%  | 0.006% |  |
| 113    | 7.383 | 7.365 | 7.407 | VV | 223    | 3397    | 0.13%  | 0.006% |  |
| 114    | 7.440 | 7.407 | 7.458 | PV | 1041   | 11442   | 0.43%  | 0.020% |  |
| 115    | 7.480 | 7.458 | 7.515 | VV | 1116   | 14853   | 0.56%  | 0.026% |  |
| 116    | 7.552 | 7.515 | 7.571 | VV | 303    | 7108    | 0.27%  | 0.012% |  |
| 117    | 7.588 | 7.571 | 7.598 | VV | 258    | 2742    | 0.10%  | 0.005% |  |
| 118    | 7.613 | 7.598 | 7.626 | VV | 335    | 3829    | 0.14%  | 0.007% |  |
| 119    | 7.634 | 7.626 | 7.650 | VV | 183    | 2072    | 0.08%  | 0.004% |  |
| 120    | 7.774 | 7.650 | 7.812 | VV | 3580   | 82095   | 3.07%  | 0.141% |  |
| 121    | 7.859 | 7.812 | 7.913 | VV | 584    | 19648   | 0.74%  | 0.034% |  |
| 122    | 7.954 | 7.913 | 7.965 | VV | 228    | 4882    | 0.18%  | 0.008% |  |
| 123    | 7.994 | 7.965 | 8.022 | VV | 2867   | 34638   | 1.30%  | 0.060% |  |
| 124    | 8.035 | 8.022 | 8.045 | VV | 330    | 3579    | 0.13%  | 0.006% |  |

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|     |        |        |        |    |        |         | rt     | Area   | %Area | %Area |
|-----|--------|--------|--------|----|--------|---------|--------|--------|-------|-------|
| 125 | 8.063  | 8.045  | 8.081  | VV | 359    | 5671    | 0.21%  | 0.010% |       |       |
| 126 | 8.093  | 8.081  | 8.110  | VV | 280    | 2687    | 0.10%  | 0.005% |       |       |
| 127 | 8.159  | 8.110  | 8.182  | VV | 792    | 13218   | 0.49%  | 0.023% |       |       |
| 128 | 8.200  | 8.182  | 8.238  | VV | 342    | 6914    | 0.26%  | 0.012% |       |       |
| 129 | 8.243  | 8.238  | 8.258  | VV | 228    | 1910    | 0.07%  | 0.003% |       |       |
| 130 | 8.315  | 8.258  | 8.371  | VV | 239268 | 2414449 | 90.36% | 4.152% |       |       |
| 131 | 8.380  | 8.371  | 8.388  | VV | 243    | 2127    | 0.08%  | 0.004% |       |       |
| 132 | 8.418  | 8.388  | 8.435  | VV | 698    | 10196   | 0.38%  | 0.018% |       |       |
| 133 | 8.458  | 8.435  | 8.471  | VV | 370    | 6018    | 0.23%  | 0.010% |       |       |
| 134 | 8.489  | 8.471  | 8.518  | VV | 719    | 11137   | 0.42%  | 0.019% |       |       |
| 135 | 8.557  | 8.518  | 8.571  | VV | 378    | 8116    | 0.30%  | 0.014% |       |       |
| 136 | 8.598  | 8.571  | 8.613  | VV | 747    | 9421    | 0.35%  | 0.016% |       |       |
| 137 | 8.634  | 8.613  | 8.661  | VV | 2399   | 28849   | 1.08%  | 0.050% |       |       |
| 138 | 8.688  | 8.661  | 8.707  | VV | 404    | 8626    | 0.32%  | 0.015% |       |       |
| 139 | 8.725  | 8.707  | 8.742  | VV | 1043   | 13141   | 0.49%  | 0.023% |       |       |
| 140 | 8.750  | 8.742  | 8.769  | VV | 429    | 5062    | 0.19%  | 0.009% |       |       |
| 141 | 8.795  | 8.769  | 8.828  | VV | 872    | 15567   | 0.58%  | 0.027% |       |       |
| 142 | 8.844  | 8.828  | 8.862  | VV | 441    | 6391    | 0.24%  | 0.011% |       |       |
| 143 | 8.875  | 8.862  | 8.895  | VV | 279    | 4856    | 0.18%  | 0.008% |       |       |
| 144 | 8.908  | 8.895  | 8.917  | VV | 389    | 4548    | 0.17%  | 0.008% |       |       |
| 145 | 8.938  | 8.917  | 8.961  | VV | 2552   | 30957   | 1.16%  | 0.053% |       |       |
| 146 | 8.986  | 8.961  | 9.017  | VV | 2120   | 29172   | 1.09%  | 0.050% |       |       |
| 147 | 9.068  | 9.017  | 9.107  | VV | 528    | 15884   | 0.59%  | 0.027% |       |       |
| 148 | 9.136  | 9.107  | 9.161  | VV | 1016   | 16603   | 0.62%  | 0.029% |       |       |
| 149 | 9.178  | 9.161  | 9.192  | VV | 405    | 6465    | 0.24%  | 0.011% |       |       |
| 150 | 9.242  | 9.192  | 9.264  | VV | 593    | 17402   | 0.65%  | 0.030% |       |       |
| 151 | 9.284  | 9.264  | 9.311  | VV | 440    | 9032    | 0.34%  | 0.016% |       |       |
| 152 | 9.322  | 9.311  | 9.346  | VV | 327    | 6010    | 0.22%  | 0.010% |       |       |
| 153 | 9.374  | 9.346  | 9.385  | VV | 484    | 7681    | 0.29%  | 0.013% |       |       |
| 154 | 9.397  | 9.385  | 9.411  | VV | 320    | 4745    | 0.18%  | 0.008% |       |       |
| 155 | 9.460  | 9.411  | 9.495  | VV | 774    | 20222   | 0.76%  | 0.035% |       |       |
| 156 | 9.514  | 9.495  | 9.534  | VV | 532    | 10240   | 0.38%  | 0.018% |       |       |
| 157 | 9.555  | 9.534  | 9.579  | VV | 989    | 16612   | 0.62%  | 0.029% |       |       |
| 158 | 9.633  | 9.579  | 9.661  | VV | 1478   | 34252   | 1.28%  | 0.059% |       |       |
| 159 | 9.692  | 9.661  | 9.720  | VV | 668    | 18375   | 0.69%  | 0.032% |       |       |
| 160 | 9.747  | 9.720  | 9.772  | VV | 576    | 14407   | 0.54%  | 0.025% |       |       |
| 161 | 9.789  | 9.772  | 9.805  | VV | 523    | 9319    | 0.35%  | 0.016% |       |       |
| 162 | 9.854  | 9.805  | 9.869  | VV | 2164   | 36960   | 1.38%  | 0.064% |       |       |
| 163 | 9.921  | 9.869  | 9.955  | VV | 227318 | 2558808 | 95.77% | 4.401% |       |       |
| 164 | 9.971  | 9.955  | 9.986  | VV | 996    | 14798   | 0.55%  | 0.025% |       |       |
| 165 | 10.004 | 9.986  | 10.051 | VV | 1438   | 33816   | 1.27%  | 0.058% |       |       |
| 166 | 10.091 | 10.051 | 10.125 | VV | 1064   | 33829   | 1.27%  | 0.058% |       |       |
| 167 | 10.140 | 10.125 | 10.171 | VV | 909    | 19941   | 0.75%  | 0.034% |       |       |
| 168 | 10.224 | 10.171 | 10.247 | VV | 1021   | 31019   | 1.16%  | 0.053% |       |       |
| 169 | 10.259 | 10.247 | 10.284 | VV | 692    | 13533   | 0.51%  | 0.023% |       |       |
| 170 | 10.312 | 10.284 | 10.331 | VV | 1295   | 23685   | 0.89%  | 0.041% |       |       |

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|     |        |        |        |    |        |         | rt      | Area   | %Area | %Area |
|-----|--------|--------|--------|----|--------|---------|---------|--------|-------|-------|
| 171 | 10.359 | 10.331 | 10.388 | VV | 1042   | 26959   | 1.01%   | 0.046% |       |       |
| 172 | 10.442 | 10.388 | 10.467 | VV | 9676   | 140512  | 5.26%   | 0.242% |       |       |
| 173 | 10.507 | 10.467 | 10.548 | VV | 2866   | 64035   | 2.40%   | 0.110% |       |       |
| 174 | 10.567 | 10.548 | 10.591 | VV | 1208   | 25486   | 0.95%   | 0.044% |       |       |
| 175 | 10.658 | 10.591 | 10.698 | VV | 6455   | 124201  | 4.65%   | 0.214% |       |       |
| 176 | 10.746 | 10.698 | 10.816 | VV | 8021   | 153038  | 5.73%   | 0.263% |       |       |
| 177 | 10.827 | 10.816 | 10.843 | VV | 1120   | 17061   | 0.64%   | 0.029% |       |       |
| 178 | 10.868 | 10.843 | 10.905 | VV | 1072   | 37306   | 1.40%   | 0.064% |       |       |
| 179 | 10.932 | 10.905 | 10.975 | VV | 6376   | 107120  | 4.01%   | 0.184% |       |       |
| 180 | 10.988 | 10.975 | 11.023 | VV | 1312   | 35704   | 1.34%   | 0.061% |       |       |
| 181 | 11.041 | 11.023 | 11.065 | VV | 1231   | 29253   | 1.09%   | 0.050% |       |       |
| 182 | 11.124 | 11.065 | 11.163 | VV | 1485   | 75063   | 2.81%   | 0.129% |       |       |
| 183 | 11.185 | 11.163 | 11.211 | VV | 1487   | 38022   | 1.42%   | 0.065% |       |       |
| 184 | 11.235 | 11.211 | 11.251 | VV | 1368   | 30978   | 1.16%   | 0.053% |       |       |
| 185 | 11.294 | 11.251 | 11.321 | VV | 1569   | 58735   | 2.20%   | 0.101% |       |       |
| 186 | 11.368 | 11.321 | 11.421 | VV | 222562 | 2627921 | 98.35%  | 4.520% |       |       |
| 187 | 11.442 | 11.421 | 11.471 | VV | 1700   | 45281   | 1.69%   | 0.078% |       |       |
| 188 | 11.529 | 11.471 | 11.561 | VV | 1732   | 82428   | 3.08%   | 0.142% |       |       |
| 189 | 11.592 | 11.561 | 11.611 | VV | 2626   | 56993   | 2.13%   | 0.098% |       |       |
| 190 | 11.623 | 11.611 | 11.668 | VV | 1848   | 58139   | 2.18%   | 0.100% |       |       |
| 191 | 11.681 | 11.668 | 11.715 | VV | 1729   | 46214   | 1.73%   | 0.079% |       |       |
| 192 | 11.734 | 11.715 | 11.750 | VV | 1784   | 36627   | 1.37%   | 0.063% |       |       |
| 193 | 11.784 | 11.750 | 11.818 | VV | 1958   | 75733   | 2.83%   | 0.130% |       |       |
| 194 | 11.844 | 11.818 | 11.889 | VV | 2034   | 80618   | 3.02%   | 0.139% |       |       |
| 195 | 11.911 | 11.889 | 11.922 | VV | 1883   | 36306   | 1.36%   | 0.062% |       |       |
| 196 | 11.929 | 11.922 | 11.948 | VV | 1843   | 27408   | 1.03%   | 0.047% |       |       |
| 197 | 11.974 | 11.948 | 11.991 | VV | 1954   | 48252   | 1.81%   | 0.083% |       |       |
| 198 | 12.007 | 11.991 | 12.022 | VV | 2291   | 38841   | 1.45%   | 0.067% |       |       |
| 199 | 12.037 | 12.022 | 12.057 | VV | 2166   | 43655   | 1.63%   | 0.075% |       |       |
| 200 | 12.130 | 12.057 | 12.177 | VV | 41721  | 969206  | 36.27%  | 1.667% |       |       |
| 201 | 12.194 | 12.177 | 12.257 | VV | 8071   | 187764  | 7.03%   | 0.323% |       |       |
| 202 | 12.282 | 12.257 | 12.401 | VV | 7768   | 283473  | 10.61%  | 0.488% |       |       |
| 203 | 12.418 | 12.401 | 12.431 | VV | 2422   | 41871   | 1.57%   | 0.072% |       |       |
| 204 | 12.452 | 12.431 | 12.481 | VV | 2538   | 71069   | 2.66%   | 0.122% |       |       |
| 205 | 12.504 | 12.481 | 12.520 | VV | 2697   | 58883   | 2.20%   | 0.101% |       |       |
| 206 | 12.537 | 12.520 | 12.585 | VV | 2751   | 94919   | 3.55%   | 0.163% |       |       |
| 207 | 12.602 | 12.585 | 12.615 | VV | 2593   | 45189   | 1.69%   | 0.078% |       |       |
| 208 | 12.681 | 12.615 | 12.720 | VV | 219586 | 2671934 | 100.00% | 4.595% |       |       |
| 209 | 12.742 | 12.720 | 12.768 | VV | 2600   | 70417   | 2.64%   | 0.121% |       |       |
| 210 | 12.813 | 12.768 | 12.837 | VV | 2579   | 100214  | 3.75%   | 0.172% |       |       |
| 211 | 12.858 | 12.837 | 12.888 | VV | 2556   | 75694   | 2.83%   | 0.130% |       |       |
| 212 | 12.897 | 12.888 | 12.906 | VV | 2478   | 26901   | 1.01%   | 0.046% |       |       |
| 213 | 12.937 | 12.906 | 12.948 | VV | 2583   | 62722   | 2.35%   | 0.108% |       |       |
| 214 | 12.958 | 12.948 | 12.981 | VV | 2623   | 50646   | 1.90%   | 0.087% |       |       |
| 215 | 13.035 | 12.981 | 13.058 | VV | 2987   | 120916  | 4.53%   | 0.208% |       |       |
| 216 | 13.095 | 13.058 | 13.141 | VV | 2841   | 133670  | 5.00%   | 0.230% |       |       |
| 217 | 13.161 | 13.141 | 13.198 | VV | 2704   | 87802   | 3.29%   | 0.151% |       |       |

Instrument :  
FID\_G  
ClientSampleId :  
MW-00-20190515MSD

Manual Integrations  
APPROVED

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|     |        |        |        |    |        |         | rt     | Area   | %Area | %Conv |
|-----|--------|--------|--------|----|--------|---------|--------|--------|-------|-------|
| 218 | 13.243 | 13.198 | 13.265 | VV | 2787   | 103895  | 3.89%  | 0.179% |       |       |
| 219 | 13.296 | 13.265 | 13.338 | VV | 3326   | 124225  | 4.65%  | 0.214% |       |       |
| 220 | 13.359 | 13.338 | 13.377 | VV | 2801   | 62809   | 2.35%  | 0.108% |       |       |
| 221 | 13.405 | 13.377 | 13.445 | VV | 2691   | 103674  | 3.88%  | 0.178% |       |       |
| 222 | 13.472 | 13.445 | 13.494 | VV | 3777   | 88439   | 3.31%  | 0.152% |       |       |
| 223 | 13.519 | 13.494 | 13.565 | VV | 3822   | 123997  | 4.64%  | 0.213% |       |       |
| 224 | 13.588 | 13.565 | 13.611 | VV | 2627   | 71361   | 2.67%  | 0.123% |       |       |
| 225 | 13.679 | 13.611 | 13.707 | VV | 2995   | 149565  | 5.60%  | 0.257% |       |       |
| 226 | 13.725 | 13.707 | 13.767 | VV | 2675   | 90575   | 3.39%  | 0.156% |       |       |
| 227 | 13.782 | 13.767 | 13.827 | VV | 2509   | 87799   | 3.29%  | 0.151% |       |       |
| 228 | 13.882 | 13.827 | 13.931 | VV | 211057 | 2594277 | 97.09% | 4.462% |       |       |
| 229 | 13.947 | 13.931 | 13.958 | VV | 2394   | 38153   | 1.43%  | 0.066% |       |       |
| 230 | 13.967 | 13.958 | 13.984 | VV | 2364   | 35528   | 1.33%  | 0.061% |       |       |
| 231 | 14.007 | 13.984 | 14.028 | VV | 2377   | 58684   | 2.20%  | 0.101% |       |       |
| 232 | 14.077 | 14.028 | 14.088 | VV | 2379   | 80717   | 3.02%  | 0.139% |       |       |
| 233 | 14.105 | 14.088 | 14.165 | VV | 2403   | 103842  | 3.89%  | 0.179% |       |       |
| 234 | 14.172 | 14.165 | 14.200 | VV | 2271   | 45515   | 1.70%  | 0.078% |       |       |
| 235 | 14.211 | 14.200 | 14.220 | VV | 2134   | 25778   | 0.96%  | 0.044% |       |       |
| 236 | 14.244 | 14.220 | 14.291 | VV | 2309   | 91548   | 3.43%  | 0.157% |       |       |
| 237 | 14.301 | 14.291 | 14.375 | VV | 2143   | 101444  | 3.80%  | 0.174% |       |       |
| 238 | 14.386 | 14.375 | 14.422 | VV | 1931   | 53092   | 1.99%  | 0.091% |       |       |
| 239 | 14.446 | 14.422 | 14.471 | VV | 2128   | 57762   | 2.16%  | 0.099% |       |       |
| 240 | 14.486 | 14.471 | 14.505 | VV | 1926   | 37485   | 1.40%  | 0.064% |       |       |
| 241 | 14.524 | 14.505 | 14.555 | VV | 1950   | 57608   | 2.16%  | 0.099% |       |       |
| 242 | 14.568 | 14.555 | 14.625 | VV | 1912   | 76038   | 2.85%  | 0.131% |       |       |
| 243 | 14.661 | 14.625 | 14.701 | VV | 1866   | 78905   | 2.95%  | 0.136% |       |       |
| 244 | 14.712 | 14.701 | 14.725 | VV | 1671   | 23251   | 0.87%  | 0.040% |       |       |
| 245 | 14.783 | 14.725 | 14.856 | VV | 156660 | 2204616 | 82.51% | 3.792% |       |       |
| 246 | 14.876 | 14.856 | 14.898 | VV | 1633   | 37089   | 1.39%  | 0.064% |       |       |
| 247 | 14.925 | 14.898 | 14.948 | VV | 1517   | 42905   | 1.61%  | 0.074% |       |       |
| 248 | 14.987 | 14.948 | 15.078 | VV | 184934 | 2496002 | 93.42% | 4.293% |       |       |
| 249 | 15.087 | 15.078 | 15.110 | VV | 1292   | 23831   | 0.89%  | 0.041% |       |       |
| 250 | 15.118 | 15.110 | 15.138 | VV | 1257   | 20278   | 0.76%  | 0.035% |       |       |
| 251 | 15.182 | 15.138 | 15.212 | VV | 1301   | 52844   | 1.98%  | 0.091% |       |       |
| 252 | 15.225 | 15.212 | 15.287 | VV | 1145   | 49369   | 1.85%  | 0.085% |       |       |
| 253 | 15.315 | 15.287 | 15.382 | VV | 1135   | 57659   | 2.16%  | 0.099% |       |       |
| 254 | 15.408 | 15.382 | 15.432 | VV | 1109   | 30059   | 1.12%  | 0.052% |       |       |
| 255 | 15.442 | 15.432 | 15.484 | VV | 993    | 29044   | 1.09%  | 0.050% |       |       |
| 256 | 15.506 | 15.484 | 15.560 | VV | 1595   | 49659   | 1.86%  | 0.085% |       |       |
| 257 | 15.572 | 15.560 | 15.605 | VV | 953    | 22904   | 0.86%  | 0.039% |       |       |
| 258 | 15.613 | 15.605 | 15.632 | VV | 875    | 13454   | 0.50%  | 0.023% |       |       |
| 259 | 15.666 | 15.632 | 15.707 | VV | 896    | 35941   | 1.35%  | 0.062% |       |       |
| 260 | 15.729 | 15.707 | 15.761 | VV | 830    | 24433   | 0.91%  | 0.042% |       |       |
| 261 | 15.772 | 15.761 | 15.799 | VV | 752    | 15847   | 0.59%  | 0.027% |       |       |
| 262 | 15.805 | 15.799 | 15.852 | VV | 734    | 21525   | 0.81%  | 0.037% |       |       |
| 263 | 15.878 | 15.852 | 15.911 | VV | 813    | 22980   | 0.86%  | 0.040% |       |       |
| 264 | 15.918 | 15.911 | 15.925 | VV | 587    | 4826    | 0.18%  | 0.008% |       |       |

Instrument :  
FID\_G  
ClientSampleId :  
MW-00-20190515MSD

Manual Integrations  
APPROVED

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|     |        |        |        |    |        | rt      | Area   | %Area  | %Area |
|-----|--------|--------|--------|----|--------|---------|--------|--------|-------|
| 265 | 15.934 | 15.925 | 15.944 | VV | 581    | 6122    | 0.23%  | 0.011% |       |
| 266 | 15.959 | 15.944 | 15.970 | VV | 595    | 8990    | 0.34%  | 0.015% |       |
| 267 | 16.011 | 15.970 | 16.090 | VV | 184509 | 2318588 | 86.78% | 3.988% |       |
| 268 | 16.113 | 16.090 | 16.155 | VV | 450    | 17216   | 0.64%  | 0.030% |       |
| 269 | 16.162 | 16.155 | 16.221 | VV | 456    | 16334   | 0.61%  | 0.028% |       |
| 270 | 16.247 | 16.221 | 16.278 | VV | 421    | 12478   | 0.47%  | 0.021% |       |
| 271 | 16.292 | 16.278 | 16.310 | VV | 399    | 6265    | 0.23%  | 0.011% |       |
| 272 | 16.322 | 16.310 | 16.339 | VV | 378    | 5644    | 0.21%  | 0.010% |       |
| 273 | 16.351 | 16.339 | 16.408 | VV | 390    | 13195   | 0.49%  | 0.023% |       |
| 274 | 16.416 | 16.408 | 16.421 | VV | 330    | 2286    | 0.09%  | 0.004% |       |
| 275 | 16.428 | 16.421 | 16.434 | VV | 277    | 2134    | 0.08%  | 0.004% |       |
| 276 | 16.493 | 16.434 | 16.556 | VV | 2145   | 45366   | 1.70%  | 0.078% |       |
| 277 | 16.578 | 16.556 | 16.605 | VV | 432    | 9266    | 0.35%  | 0.016% |       |
| 278 | 16.619 | 16.605 | 16.638 | VV | 345    | 5348    | 0.20%  | 0.009% |       |
| 279 | 16.655 | 16.638 | 16.681 | VV | 263    | 5885    | 0.22%  | 0.010% |       |
| 280 | 16.696 | 16.681 | 16.713 | VV | 241    | 4007    | 0.15%  | 0.007% |       |
| 281 | 16.732 | 16.713 | 16.780 | VV | 339    | 8556    | 0.32%  | 0.015% |       |
| 282 | 16.804 | 16.780 | 16.825 | VV | 300    | 6295    | 0.24%  | 0.011% |       |
| 283 | 16.851 | 16.825 | 16.887 | VV | 337    | 9570    | 0.36%  | 0.016% |       |
| 284 | 16.962 | 16.887 | 16.996 | VV | 169521 | 2227593 | 83.37% | 3.831% |       |
| 285 | 17.012 | 16.996 | 17.075 | VV | 2290   | 34539   | 1.29%  | 0.059% |       |
| 286 | 17.100 | 17.075 | 17.111 | VV | 107    | 1828    | 0.07%  | 0.003% |       |
| 287 | 17.123 | 17.111 | 17.138 | VV | 114    | 1140    | 0.04%  | 0.002% |       |
| 288 | 17.156 | 17.138 | 17.164 | PV | 113    | 1172    | 0.04%  | 0.002% |       |
| 289 | 17.257 | 17.164 | 17.282 | VV | 217    | 8126    | 0.30%  | 0.014% |       |
| 290 | 17.302 | 17.282 | 17.328 | VV | 171    | 3170    | 0.12%  | 0.005% |       |
| 291 | 17.338 | 17.328 | 17.348 | PV | 150    | 972     | 0.04%  | 0.002% |       |
| 292 | 17.413 | 17.348 | 17.462 | VV | 4172   | 58419   | 2.19%  | 0.100% |       |
| 293 | 17.509 | 17.462 | 17.571 | PV | 191    | 5906    | 0.22%  | 0.010% |       |
| 294 | 17.583 | 17.571 | 17.595 | VV | 145    | 1293    | 0.05%  | 0.002% |       |
| 295 | 17.642 | 17.595 | 17.661 | VV | 112    | 2515    | 0.09%  | 0.004% |       |
| 296 | 17.711 | 17.661 | 17.777 | PV | 262    | 9941    | 0.37%  | 0.017% |       |
| 297 | 17.851 | 17.777 | 17.928 | VV | 156985 | 2149928 | 80.46% | 3.698% |       |
| 298 | 17.959 | 17.928 | 17.985 | VV | 296    | 8409    | 0.31%  | 0.014% |       |
| 299 | 18.013 | 17.985 | 18.028 | VV | 301    | 6808    | 0.25%  | 0.012% |       |
| 300 | 18.042 | 18.028 | 18.063 | VV | 310    | 5602    | 0.21%  | 0.010% |       |
| 301 | 18.128 | 18.063 | 18.155 | VV | 496    | 19015   | 0.71%  | 0.033% |       |
| 302 | 18.169 | 18.155 | 18.192 | VV | 435    | 8245    | 0.31%  | 0.014% |       |
| 303 | 18.215 | 18.192 | 18.245 | VV | 617    | 16201   | 0.61%  | 0.028% |       |
| 304 | 18.274 | 18.245 | 18.323 | VV | 3496   | 64231   | 2.40%  | 0.110% |       |
| 305 | 18.335 | 18.323 | 18.345 | VV | 449    | 5283    | 0.20%  | 0.009% |       |
| 306 | 18.383 | 18.345 | 18.434 | VV | 516    | 24339   | 0.91%  | 0.042% |       |
| 307 | 18.448 | 18.434 | 18.461 | VV | 453    | 6936    | 0.26%  | 0.012% |       |
| 308 | 18.503 | 18.461 | 18.525 | VV | 730    | 21757   | 0.81%  | 0.037% |       |
| 309 | 18.580 | 18.525 | 18.625 | VV | 824    | 38986   | 1.46%  | 0.067% |       |
| 310 | 18.687 | 18.625 | 18.769 | VV | 143411 | 2060906 | 77.13% | 3.544% |       |

