

rteres

Instrument :

FID\_F

ClientSampleId :

WC-15-2-1-GRMSD

Area Percent Report

Manual IntegrationsAPPROVED

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF04262  
 Data File : FF010406.D  
 Signal(s) : FID2B.ch  
 Acq On : 26 Apr 2022 17:52  
 Sample : N2431-05MSD 10X  
 Misc :  
 ALS Vial : 61 Sample Multiplier: 1

Reviewed By :Yogesh Patel 04/27/2022

Supervised By :mohammad ahmed 04/27/2022

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\FF040122.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         | 2.006       | 1.997        | 2.020      | BV       | 2654           | 26379        | 0.11%          | 0.002%        |
| 2         | 2.031       | 2.020        | 2.068      | VV       | 1927           | 47930        | 0.19%          | 0.003%        |
| 3         | 2.075       | 2.068        | 2.085      | VV       | 1499           | 14785        | 0.06%          | 0.001%        |
| 4         | 2.091       | 2.085        | 2.102      | VV       | 1416           | 14131        | 0.06%          | 0.001%        |
| 5         | 2.106       | 2.102        | 2.112      | VV       | 1435           | 8047         | 0.03%          | 0.001%        |
| 6         | 2.119       | 2.112        | 2.144      | VV       | 1509           | 26578        | 0.11%          | 0.002%        |
| 7         | 2.161       | 2.144        | 2.180      | VV       | 1817           | 31093        | 0.12%          | 0.002%        |
| 8         | 2.185       | 2.180        | 2.195      | VV       | 1279           | 10890        | 0.04%          | 0.001%        |
| 9         | 2.208       | 2.195        | 2.231      | VV       | 1509           | 29161        | 0.12%          | 0.002%        |
| 10        | 2.243       | 2.231        | 2.249      | VV       | 1390           | 13207        | 0.05%          | 0.001%        |
| 11        | 2.268       | 2.249        | 2.291      | VV       | 12615          | 116505       | 0.47%          | 0.008%        |
| 12        | 2.305       | 2.291        | 2.331      | VV       | 1664           | 31557        | 0.13%          | 0.002%        |
| 13        | 2.336       | 2.331        | 2.360      | VV       | 1097           | 16697        | 0.07%          | 0.001%        |
| 14        | 2.377       | 2.360        | 2.395      | VV       | 993            | 18064        | 0.07%          | 0.001%        |
| 15        | 2.405       | 2.395        | 2.418      | VV       | 920            | 11508        | 0.05%          | 0.001%        |
| 16        | 2.452       | 2.418        | 2.465      | VV       | 1525           | 29820        | 0.12%          | 0.002%        |
| 17        | 2.474       | 2.465        | 2.485      | VV       | 1057           | 11421        | 0.05%          | 0.001%        |
| 18        | 2.491       | 2.485        | 2.510      | VV       | 956            | 11841        | 0.05%          | 0.001%        |
| 19        | 2.537       | 2.510        | 2.587      | VV       | 51787          | 651956       | 2.60%          | 0.046%        |
| 20        | 2.593       | 2.587        | 2.618      | VV       | 6980           | 121773       | 0.49%          | 0.009%        |
| 21        | 2.626       | 2.618        | 2.700      | VV       | 5996           | 259549       | 1.04%          | 0.018%        |
| 22        | 2.705       | 2.700        | 2.710      | VV       | 4518           | 25471        | 0.10%          | 0.002%        |
| 23        | 2.724       | 2.710        | 2.739      | VV       | 5488           | 85189        | 0.34%          | 0.006%        |
| 24        | 2.742       | 2.739        | 2.777      | VV       | 4525           | 94511        | 0.38%          | 0.007%        |
| 25        | 2.788       | 2.777        | 2.794      | VV       | 3777           | 37603        | 0.15%          | 0.003%        |
| 26        | 2.812       | 2.794        | 2.847      | VV       | 7282           | 156231       | 0.62%          | 0.011%        |
| 27        | 2.857       | 2.847        | 2.870      | VV       | 3610           | 48551        | 0.19%          | 0.003%        |
| 28        | 2.882       | 2.870        | 2.891      | VV       | 3738           | 43800        | 0.17%          | 0.003%        |
| 29        | 2.911       | 2.891        | 2.935      | VV       | 5417           | 112301       | 0.45%          | 0.008%        |
| 30        | 2.942       | 2.935        | 2.961      | VV       | 3537           | 51690        | 0.21%          | 0.004%        |
| 31        | 2.973       | 2.961        | 2.982      | VV       | 4188           | 46462        | 0.19%          | 0.003%        |
| 32        | 2.990       | 2.982        | 3.009      | VV       | 4121           | 54689        | 0.22%          | 0.004%        |
| 33        | 3.015       | 3.009        | 3.022      | VV       | 2758           | 20636        | 0.08%          | 0.001%        |
| 34        | 3.038       | 3.022        | 3.082      | VV       | 6587           | 115229       | 0.46%          | 0.008%        |
| 35        | 3.102       | 3.082        | 3.124      | VV       | 2879           | 60569        | 0.24%          | 0.004%        |
| 36        | 3.134       | 3.124        | 3.145      | VV       | 2063           | 24826        | 0.10%          | 0.002%        |

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|----|-------|-------|-------|----|---------|---------|-------|--------|--|
| 37 | 3.163 | 3.145 | 3.203 | VV | 2333    | 65460   | 0.26% | 0.005% |  |
| 38 | 3.218 | 3.203 | 3.230 | VV | 1852    | 26409   |       |        |  |
| 39 | 3.237 | 3.230 | 3.246 | VV | 1649    | 14585   |       |        |  |
| 40 | 3.259 | 3.246 | 3.269 | VV | 2204    | 25988   |       |        |  |
| 41 | 3.286 | 3.269 | 3.315 | VV | 10221   | 118567  |       |        |  |
| 42 | 3.319 | 3.315 | 3.334 | VV | 1896    | 19344   |       |        |  |
| 43 | 3.338 | 3.334 | 3.370 | VV | 1496    | 23312   | 0.09% | 0.002% |  |
| 44 | 3.385 | 3.370 | 3.394 | VV | 1149    | 14233   | 0.06% | 0.001% |  |
| 45 | 3.408 | 3.394 | 3.425 | VV | 1726    | 24557   | 0.10% | 0.002% |  |
| 46 | 3.465 | 3.425 | 3.484 | VV | 5173    | 73560   | 0.29% | 0.005% |  |
| 47 | 3.496 | 3.484 | 3.512 | VV | 1494    | 20627   | 0.08% | 0.001% |  |
| 48 | 3.526 | 3.512 | 3.540 | VV | 1237    | 16272   | 0.06% | 0.001% |  |
| 49 | 3.552 | 3.540 | 3.582 | VV | 2162    | 36396   | 0.15% | 0.003% |  |
| 50 | 3.600 | 3.582 | 3.635 | VV | 2133    | 38146   | 0.15% | 0.003% |  |
| 51 | 3.659 | 3.635 | 3.682 | VV | 2701    | 37477   | 0.15% | 0.003% |  |
| 52 | 3.716 | 3.682 | 3.745 | VV | 29531   | 301457  | 1.20% | 0.021% |  |
| 53 | 3.755 | 3.745 | 3.767 | VV | 1433    | 14670   | 0.06% | 0.001% |  |
| 54 | 3.780 | 3.767 | 3.792 | VV | 3339    | 33538   | 0.13% | 0.002% |  |
| 55 | 3.798 | 3.792 | 3.814 | VV | 1753    | 15112   | 0.06% | 0.001% |  |
| 56 | 3.828 | 3.814 | 3.844 | VV | 1448    | 15581   | 0.06% | 0.001% |  |
| 57 | 3.864 | 3.844 | 3.917 | VV | 2751    | 48253   | 0.19% | 0.003% |  |
| 58 | 3.935 | 3.917 | 3.945 | VV | 3733    | 37097   | 0.15% | 0.003% |  |
| 59 | 3.955 | 3.945 | 3.969 | VV | 4055    | 40290   | 0.16% | 0.003% |  |
| 60 | 3.984 | 3.969 | 4.012 | VV | 2553    | 46786   | 0.19% | 0.003% |  |
| 61 | 4.034 | 4.012 | 4.042 | VV | 2334    | 24025   | 0.10% | 0.002% |  |
| 62 | 4.049 | 4.042 | 4.066 | VV | 2131    | 20731   | 0.08% | 0.001% |  |
| 63 | 4.076 | 4.066 | 4.095 | VV | 529     | 6084    | 0.02% | 0.000% |  |
| 64 | 4.120 | 4.095 | 4.144 | VV | 9637    | 108211  | 0.43% | 0.008% |  |
| 65 | 4.160 | 4.144 | 4.189 | VV | 1690    | 28521   | 0.11% | 0.002% |  |
| 66 | 4.195 | 4.189 | 4.202 | VV | 618     | 4494    | 0.02% | 0.000% |  |
| 67 | 4.219 | 4.202 | 4.224 | VV | 1304    | 12388   | 0.05% | 0.001% |  |
| 68 | 4.228 | 4.224 | 4.245 | VV | 1315    | 10552   | 0.04% | 0.001% |  |
| 69 | 4.266 | 4.245 | 4.278 | PV | 1234    | 13078   | 0.05% | 0.001% |  |
| 70 | 4.296 | 4.278 | 4.329 | VV | 4838    | 61376   | 0.25% | 0.004% |  |
| 71 | 4.355 | 4.329 | 4.371 | VV | 32646   | 298442  | 1.19% | 0.021% |  |
| 72 | 4.382 | 4.371 | 4.409 | VV | 6633    | 96735   | 0.39% | 0.007% |  |
| 73 | 4.427 | 4.409 | 4.440 | VV | 47993   | 423078  | 1.69% | 0.030% |  |
| 74 | 4.457 | 4.440 | 4.494 | VV | 227976  | 2340410 | 9.34% | 0.164% |  |
| 75 | 4.505 | 4.494 | 4.518 | VV | 15079   | 201135  | 0.80% | 0.014% |  |
| 76 | 4.533 | 4.518 | 4.561 | VV | 27707   | 390135  | 1.56% | 0.027% |  |
| 77 | 4.570 | 4.561 | 4.575 | VV | 7334    | 60749   | 0.24% | 0.004% |  |
| 78 | 4.583 | 4.575 | 4.598 | VV | 7353    | 85991   | 0.34% | 0.006% |  |
| 79 | 4.608 | 4.598 | 4.624 | VV | 5788    | 73470   | 0.29% | 0.005% |  |
| 80 | 4.638 | 4.624 | 4.669 | VV | 4543    | 82152   | 0.33% | 0.006% |  |
| 81 | 4.687 | 4.669 | 4.720 | VV | 3835    | 82481   | 0.33% | 0.006% |  |
| 82 | 4.732 | 4.720 | 4.748 | VV | 2814    | 35226   | 0.14% | 0.002% |  |
| 83 | 4.770 | 4.748 | 4.794 | VV | 3792    | 66585   | 0.27% | 0.005% |  |
| 84 | 4.808 | 4.794 | 4.834 | VV | 3100    | 52912   | 0.21% | 0.004% |  |
| 85 | 4.852 | 4.834 | 4.873 | VV | 23601   | 228187  | 0.91% | 0.016% |  |
| 86 | 4.882 | 4.873 | 4.888 | VV | 1826    | 15834   | 0.06% | 0.001% |  |
| 87 | 4.896 | 4.888 | 4.925 | VV | 2113    | 37246   | 0.15% | 0.003% |  |
| 88 | 4.959 | 4.925 | 4.982 | VV | 30049   | 325515  | 1.30% | 0.023% |  |
| 89 | 4.996 | 4.982 | 5.019 | VV | 3928    | 63790   | 0.25% | 0.004% |  |

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|     |       |       |       |    |       |        |       |        |
|-----|-------|-------|-------|----|-------|--------|-------|--------|
| 90  | 5.033 | 5.019 | 5.042 | VV | 3844  | 40760  | 0.16% | 0.003% |
| 91  | 5.046 | 5.042 | 5.059 | VV | 3630  | 27097  |       |        |
| 92  | 5.071 | 5.059 | 5.080 | VV | 2892  | 25565  |       |        |
| 93  | 5.096 | 5.080 | 5.106 | VV | 9646  | 95114  |       |        |
| 94  | 5.120 | 5.106 | 5.142 | VV | 24633 | 235639 |       |        |
| 95  | 5.156 | 5.142 | 5.172 | VV | 1915  | 19869  |       |        |
| 96  | 5.189 | 5.172 | 5.206 | VV | 2412  | 28589  | 0.11% | 0.002% |
| 97  | 5.213 | 5.206 | 5.232 | VV | 1024  | 12718  | 0.05% | 0.001% |
| 98  | 5.275 | 5.232 | 5.280 | VV | 2999  | 56414  | 0.23% | 0.004% |
| 99  | 5.291 | 5.280 | 5.316 | VV | 4613  | 54163  | 0.22% | 0.004% |
| 100 | 5.340 | 5.316 | 5.365 | VV | 45030 | 441593 | 1.76% | 0.031% |
| 101 | 5.390 | 5.365 | 5.408 | VV | 27045 | 280920 | 1.12% | 0.020% |
| 102 | 5.424 | 5.408 | 5.449 | VV | 5572  | 69716  | 0.28% | 0.005% |
| 103 | 5.462 | 5.449 | 5.472 | VV | 787   | 6647   | 0.03% | 0.000% |
| 104 | 5.486 | 5.472 | 5.529 | VV | 1157  | 16531  | 0.07% | 0.001% |
| 105 | 5.549 | 5.529 | 5.563 | VV | 8142  | 77612  | 0.31% | 0.005% |
| 106 | 5.575 | 5.563 | 5.609 | VV | 5129  | 72472  | 0.29% | 0.005% |
| 107 | 5.622 | 5.609 | 5.632 | VV | 3644  | 34343  | 0.14% | 0.002% |
| 108 | 5.641 | 5.632 | 5.652 | VV | 2750  | 27846  | 0.11% | 0.002% |
| 109 | 5.670 | 5.652 | 5.707 | VV | 9705  | 155041 | 0.62% | 0.011% |
| 110 | 5.725 | 5.707 | 5.741 | VV | 10066 | 107441 | 0.43% | 0.008% |
| 111 | 5.757 | 5.741 | 5.780 | VV | 15905 | 164470 | 0.66% | 0.012% |
| 112 | 5.802 | 5.780 | 5.816 | VV | 2059  | 31454  | 0.13% | 0.002% |
| 113 | 5.838 | 5.816 | 5.868 | VV | 56763 | 586858 | 2.34% | 0.041% |
| 114 | 5.894 | 5.868 | 5.914 | VV | 4072  | 67877  | 0.27% | 0.005% |
| 115 | 5.937 | 5.914 | 5.960 | VV | 8482  | 109709 | 0.44% | 0.008% |
| 116 | 5.969 | 5.960 | 5.977 | VV | 2144  | 19740  | 0.08% | 0.001% |
| 117 | 5.987 | 5.977 | 6.008 | VV | 2526  | 27254  | 0.11% | 0.002% |
| 118 | 6.030 | 6.008 | 6.052 | PV | 4366  | 55366  | 0.22% | 0.004% |
| 119 | 6.099 | 6.052 | 6.138 | VV | 37788 | 831294 | 3.32% | 0.058% |
| 120 | 6.151 | 6.138 | 6.190 | VV | 9937  | 186070 | 0.74% | 0.013% |
| 121 | 6.206 | 6.190 | 6.235 | VV | 4418  | 83347  | 0.33% | 0.006% |
| 122 | 6.259 | 6.235 | 6.278 | VV | 4864  | 87254  | 0.35% | 0.006% |
| 123 | 6.294 | 6.278 | 6.337 | VV | 4509  | 105060 | 0.42% | 0.007% |
| 124 | 6.370 | 6.337 | 6.419 | VV | 53451 | 592424 | 2.37% | 0.042% |
| 125 | 6.433 | 6.419 | 6.455 | VV | 1987  | 25928  | 0.10% | 0.002% |
| 126 | 6.480 | 6.455 | 6.502 | VV | 3263  | 53023  | 0.21% | 0.004% |
| 127 | 6.519 | 6.502 | 6.547 | VV | 10266 | 115187 | 0.46% | 0.008% |
| 128 | 6.565 | 6.547 | 6.581 | VV | 3294  | 40262  | 0.16% | 0.003% |
| 129 | 6.589 | 6.581 | 6.598 | VV | 1042  | 8409   | 0.03% | 0.001% |
| 130 | 6.613 | 6.598 | 6.631 | VV | 2884  | 31709  | 0.13% | 0.002% |
| 131 | 6.649 | 6.631 | 6.666 | VV | 3998  | 44964  | 0.18% | 0.003% |
| 132 | 6.692 | 6.666 | 6.715 | VV | 3608  | 63813  | 0.25% | 0.004% |
| 133 | 6.726 | 6.715 | 6.739 | VV | 2801  | 27898  | 0.11% | 0.002% |
| 134 | 6.769 | 6.739 | 6.794 | VV | 6143  | 101503 | 0.41% | 0.007% |
| 135 | 6.804 | 6.794 | 6.820 | VV | 2073  | 22595  | 0.09% | 0.002% |
| 136 | 6.838 | 6.820 | 6.854 | VV | 2242  | 27660  | 0.11% | 0.002% |
| 137 | 6.870 | 6.854 | 6.880 | VV | 4452  | 46146  | 0.18% | 0.003% |
| 138 | 6.889 | 6.880 | 6.910 | VV | 4383  | 56210  | 0.22% | 0.004% |
| 139 | 6.929 | 6.910 | 6.957 | VV | 8156  | 103285 | 0.41% | 0.007% |
| 140 | 6.990 | 6.957 | 7.019 | VV | 20580 | 295176 | 1.18% | 0.021% |
| 141 | 7.039 | 7.019 | 7.056 | VV | 5931  | 85369  | 0.34% | 0.006% |

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0.16% 0.003%

Manual IntegrationsAPPROVED

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Supervised By :mohammad ahmed 04/27/2022

|     |       |       |       |    | rters  |         |       |        |
|-----|-------|-------|-------|----|--------|---------|-------|--------|
| 142 | 7.073 | 7.056 | 7.108 | VV | 9447   | 135766  | 0.54% | 0.010% |
| 143 | 7.127 | 7.108 | 7.155 | VV | 14035  | 191757  |       |        |
| 144 | 7.174 | 7.155 | 7.183 | VV | 4337   | 48394   |       |        |
| 145 | 7.194 | 7.183 | 7.210 | VV | 4737   | 58356   |       |        |
| 146 | 7.228 | 7.210 | 7.253 | VV | 3133   | 66533   |       |        |
| 147 | 7.258 | 7.253 | 7.265 | VV | 1678   | 10950   |       |        |
| 148 | 7.294 | 7.265 | 7.323 | VV | 54363  | 576089  | 2.30% | 0.040% |
| 149 | 7.348 | 7.323 | 7.372 | VV | 5508   | 91929   | 0.37% | 0.006% |
| 150 | 7.384 | 7.372 | 7.403 | VV | 2118   | 32301   | 0.13% | 0.002% |
| 151 | 7.415 | 7.403 | 7.447 | VV | 2450   | 40334   | 0.16% | 0.003% |
| 152 | 7.467 | 7.447 | 7.502 | VV | 9908   | 134972  | 0.54% | 0.009% |
| 153 | 7.521 | 7.502 | 7.541 | VV | 3995   | 46022   | 0.18% | 0.003% |
| 154 | 7.584 | 7.541 | 7.599 | PV | 2453   | 45576   | 0.18% | 0.003% |
| 155 | 7.628 | 7.599 | 7.648 | VV | 6781   | 114310  | 0.46% | 0.008% |
| 156 | 7.661 | 7.648 | 7.675 | VV | 5300   | 60779   | 0.24% | 0.004% |
| 157 | 7.717 | 7.675 | 7.741 | VV | 26669  | 457087  | 1.83% | 0.032% |
| 158 | 7.752 | 7.741 | 7.764 | VV | 8465   | 106731  | 0.43% | 0.007% |
| 159 | 7.772 | 7.764 | 7.789 | VV | 8013   | 95455   | 0.38% | 0.007% |
| 160 | 7.815 | 7.789 | 7.835 | VV | 6725   | 125997  | 0.50% | 0.009% |
| 161 | 7.866 | 7.835 | 7.894 | VV | 13479  | 261540  | 1.04% | 0.018% |
| 162 | 7.898 | 7.894 | 7.902 | VV | 4311   | 20661   | 0.08% | 0.001% |
| 163 | 7.918 | 7.902 | 7.932 | VV | 8678   | 112650  | 0.45% | 0.008% |
| 164 | 7.941 | 7.932 | 7.953 | VV | 6252   | 64530   | 0.26% | 0.005% |
| 165 | 7.985 | 7.953 | 8.003 | VV | 22412  | 354326  | 1.41% | 0.025% |
| 166 | 8.010 | 8.003 | 8.022 | VV | 5414   | 57731   | 0.23% | 0.004% |
| 167 | 8.040 | 8.022 | 8.058 | VV | 8129   | 134248  | 0.54% | 0.009% |
| 168 | 8.087 | 8.058 | 8.101 | VV | 24393  | 382958  | 1.53% | 0.027% |
| 169 | 8.114 | 8.101 | 8.137 | VV | 25185  | 320478  | 1.28% | 0.022% |
| 170 | 8.165 | 8.137 | 8.188 | VV | 92361  | 1074053 | 4.29% | 0.075% |
| 171 | 8.205 | 8.188 | 8.226 | VV | 12756  | 203119  | 0.81% | 0.014% |
| 172 | 8.262 | 8.226 | 8.294 | VV | 14241  | 371225  | 1.48% | 0.026% |
| 173 | 8.321 | 8.294 | 8.341 | VV | 7379   | 143920  | 0.57% | 0.010% |
| 174 | 8.360 | 8.341 | 8.375 | VV | 8306   | 124170  | 0.50% | 0.009% |
| 175 | 8.383 | 8.375 | 8.395 | VV | 5968   | 67212   | 0.27% | 0.005% |
| 176 | 8.408 | 8.395 | 8.426 | VV | 6945   | 99087   | 0.40% | 0.007% |
| 177 | 8.452 | 8.426 | 8.477 | VV | 7776   | 165269  | 0.66% | 0.012% |
| 178 | 8.491 | 8.477 | 8.505 | VV | 8267   | 100534  | 0.40% | 0.007% |
| 179 | 8.524 | 8.505 | 8.528 | VV | 12282  | 120509  | 0.48% | 0.008% |
| 180 | 8.536 | 8.528 | 8.554 | VV | 12770  | 159500  | 0.64% | 0.011% |
| 181 | 8.584 | 8.554 | 8.598 | VV | 11445  | 248293  | 0.99% | 0.017% |
| 182 | 8.612 | 8.598 | 8.640 | VV | 13331  | 239441  | 0.96% | 0.017% |
| 183 | 8.665 | 8.640 | 8.676 | VV | 9912   | 176727  | 0.71% | 0.012% |
| 184 | 8.701 | 8.676 | 8.725 | VV | 30169  | 459058  | 1.83% | 0.032% |
| 185 | 8.753 | 8.725 | 8.769 | VV | 12855  | 228454  | 0.91% | 0.016% |
| 186 | 8.804 | 8.769 | 8.828 | VV | 23799  | 480696  | 1.92% | 0.034% |
| 187 | 8.842 | 8.828 | 8.862 | VV | 13689  | 236366  | 0.94% | 0.017% |
| 188 | 8.874 | 8.862 | 8.886 | VV | 14099  | 172101  | 0.69% | 0.012% |
| 189 | 8.898 | 8.886 | 8.908 | VV | 12268  | 151184  | 0.60% | 0.011% |
| 190 | 8.928 | 8.908 | 8.947 | VV | 19893  | 339462  | 1.36% | 0.024% |
| 191 | 8.986 | 8.947 | 9.007 | VV | 119664 | 1635628 | 6.53% | 0.115% |
| 192 | 9.015 | 9.007 | 9.056 | VV | 23618  | 351056  | 1.40% | 0.025% |
| 193 | 9.075 | 9.056 | 9.091 | VV | 10115  | 168544  | 0.67% | 0.012% |
| 194 | 9.133 | 9.091 | 9.149 | VV | 28533  | 618456  | 2.47% | 0.043% |

Instrument :

FID\_F

ClientSampleId :

WC-15-2-1-GRMSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/27/2022

Supervised By :mohammad ahmed 04/27/2022

|     |        |        |        |    |        |         |        |        |
|-----|--------|--------|--------|----|--------|---------|--------|--------|
| 195 | 9.163  | 9.149  | 9.177  | VV | 21770  | 283101  | 1.13%  | 0.020% |
| 196 | 9.182  | 9.177  | 9.196  | VV | 15801  | 166034  |        |        |
| 197 | 9.210  | 9.196  | 9.230  | VV | 15438  | 257332  |        |        |
| 198 | 9.247  | 9.230  | 9.251  | VV | 14930  | 154820  |        |        |
| 199 | 9.268  | 9.251  | 9.293  | VV | 33602  | 513662  |        |        |
| 200 | 9.313  | 9.293  | 9.328  | VV | 14920  | 265534  |        |        |
| 201 | 9.360  | 9.328  | 9.400  | VV | 34615  | 886102  | 3.54%  | 0.062% |
| 202 | 9.431  | 9.400  | 9.465  | VV | 34772  | 816749  | 3.26%  | 0.057% |
| 203 | 9.495  | 9.465  | 9.515  | VV | 28665  | 609007  | 2.43%  | 0.043% |
| 204 | 9.528  | 9.515  | 9.533  | VV | 21900  | 210057  | 0.84%  | 0.015% |
| 205 | 9.551  | 9.533  | 9.576  | VV | 28208  | 551984  | 2.20%  | 0.039% |
| 206 | 9.591  | 9.576  | 9.615  | VV | 14066  | 297751  | 1.19%  | 0.021% |
| 207 | 9.633  | 9.615  | 9.653  | VV | 20891  | 351334  | 1.40%  | 0.025% |
| 208 | 9.678  | 9.653  | 9.698  | VV | 23369  | 496827  | 1.98%  | 0.035% |
| 209 | 9.726  | 9.698  | 9.742  | VV | 29547  | 634829  | 2.53%  | 0.044% |
| 210 | 9.766  | 9.742  | 9.817  | VV | 189701 | 2767744 | 11.05% | 0.194% |
| 211 | 9.830  | 9.817  | 9.847  | VV | 22086  | 351063  | 1.40%  | 0.025% |
| 212 | 9.868  | 9.847  | 9.916  | VV | 29145  | 816649  | 3.26%  | 0.057% |
| 213 | 9.937  | 9.916  | 9.965  | VV | 26683  | 588698  | 2.35%  | 0.041% |
| 214 | 9.974  | 9.965  | 9.988  | VV | 18352  | 233554  | 0.93%  | 0.016% |
| 215 | 9.998  | 9.988  | 10.005 | VV | 15829  | 163660  | 0.65%  | 0.011% |
| 216 | 10.010 | 10.005 | 10.023 | VV | 15406  | 157155  | 0.63%  | 0.011% |
| 217 | 10.040 | 10.023 | 10.050 | VV | 18940  | 282890  | 1.13%  | 0.020% |
| 218 | 10.063 | 10.050 | 10.076 | VV | 20237  | 294735  | 1.18%  | 0.021% |
| 219 | 10.096 | 10.076 | 10.127 | VV | 33050  | 792106  | 3.16%  | 0.056% |
| 220 | 10.154 | 10.127 | 10.184 | VV | 79929  | 1541888 | 6.16%  | 0.108% |
| 221 | 10.203 | 10.184 | 10.218 | VV | 38713  | 622930  | 2.49%  | 0.044% |
| 222 | 10.241 | 10.218 | 10.258 | VV | 43579  | 891275  | 3.56%  | 0.062% |
| 223 | 10.272 | 10.258 | 10.286 | VV | 42655  | 616478  | 2.46%  | 0.043% |
| 224 | 10.298 | 10.286 | 10.324 | VV | 35998  | 635167  | 2.54%  | 0.045% |
| 225 | 10.349 | 10.324 | 10.364 | VV | 38988  | 749067  | 2.99%  | 0.052% |
| 226 | 10.368 | 10.364 | 10.391 | VV | 37616  | 525323  | 2.10%  | 0.037% |
| 227 | 10.413 | 10.391 | 10.423 | VV | 34996  | 599974  | 2.40%  | 0.042% |
| 228 | 10.444 | 10.423 | 10.464 | VV | 39301  | 837355  | 3.34%  | 0.059% |
| 229 | 10.505 | 10.464 | 10.536 | VV | 233864 | 3913802 | 15.63% | 0.274% |
| 230 | 10.577 | 10.536 | 10.600 | VV | 96699  | 2160534 | 8.63%  | 0.151% |
| 231 | 10.611 | 10.600 | 10.640 | VV | 38447  | 870559  | 3.48%  | 0.061% |
| 232 | 10.653 | 10.640 | 10.669 | VV | 38660  | 604191  | 2.41%  | 0.042% |
| 233 | 10.693 | 10.669 | 10.703 | VV | 36513  | 678103  | 2.71%  | 0.048% |
| 234 | 10.718 | 10.703 | 10.730 | VV | 39819  | 607905  | 2.43%  | 0.043% |
| 235 | 10.751 | 10.730 | 10.803 | VV | 103112 | 2287979 | 9.14%  | 0.160% |
| 236 | 10.826 | 10.803 | 10.840 | VV | 63869  | 1138156 | 4.54%  | 0.080% |
| 237 | 10.850 | 10.840 | 10.869 | VV | 55215  | 829289  | 3.31%  | 0.058% |
| 238 | 10.895 | 10.869 | 10.919 | VV | 72798  | 1620692 | 6.47%  | 0.114% |
| 239 | 10.922 | 10.919 | 10.941 | VV | 42096  | 527614  | 2.11%  | 0.037% |
| 240 | 10.959 | 10.941 | 10.991 | VV | 52233  | 1300757 | 5.19%  | 0.091% |
| 241 | 11.012 | 10.991 | 11.045 | VV | 51004  | 1421079 | 5.67%  | 0.100% |
| 242 | 11.066 | 11.045 | 11.086 | VV | 53893  | 1114235 | 4.45%  | 0.078% |
| 243 | 11.115 | 11.086 | 11.131 | VV | 61041  | 1367189 | 5.46%  | 0.096% |
| 244 | 11.146 | 11.131 | 11.170 | VV | 59432  | 1252257 | 5.00%  | 0.088% |
| 245 | 11.175 | 11.170 | 11.185 | VV | 48165  | 405770  | 1.62%  | 0.028% |
| 246 | 11.210 | 11.185 | 11.241 | VV | 290004 | 4493674 | 17.94% | 0.315% |

Instrument :

FID\_F

ClientSampleId :

WC-15-2-1-GRMSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/27/2022

Supervised By :mohammad ahmed 04/27/2022

| rteres |        |        |        |    |        |          |        |        |  |
|--------|--------|--------|--------|----|--------|----------|--------|--------|--|
| 247    | 11.252 | 11.241 | 11.262 | VV | 61894  | 754898   | 3.01%  | 0.053% |  |
| 248    | 11.276 | 11.262 | 11.284 | VV | 78034  | 918596   |        |        |  |
| 249    | 11.300 | 11.284 | 11.325 | VV | 99177  | 1894221  |        |        |  |
| 250    | 11.349 | 11.325 | 11.382 | VV | 62259  | 1789749  |        |        |  |
| 251    | 11.406 | 11.382 | 11.425 | VV | 75889  | 1560911  | 6.18%  | 0.161% |  |
| 252    | 11.447 | 11.425 | 11.468 | VV | 66563  | 1517394  | 6.02%  | 0.158% |  |
| 253    | 11.506 | 11.468 | 11.526 | VV | 76299  | 2299087  | 9.18%  | 0.161% |  |
| 254    | 11.556 | 11.526 | 11.570 | VV | 115987 | 2259903  | 9.02%  | 0.158% |  |
| 255    | 11.588 | 11.570 | 11.626 | VV | 151083 | 3318772  | 13.25% | 0.233% |  |
| 256    | 11.650 | 11.626 | 11.675 | VV | 103219 | 2385387  | 9.52%  | 0.167% |  |
| 257    | 11.705 | 11.675 | 11.721 | VV | 151535 | 2971580  | 11.86% | 0.208% |  |
| 258    | 11.736 | 11.721 | 11.792 | VV | 150052 | 3807482  | 15.20% | 0.267% |  |
| 259    | 11.824 | 11.792 | 11.838 | VV | 86537  | 2076100  | 8.29%  | 0.145% |  |
| 260    | 11.882 | 11.838 | 11.912 | VV | 389602 | 7523744  | 30.04% | 0.527% |  |
| 261    | 11.926 | 11.912 | 11.942 | VV | 86139  | 1442100  | 5.76%  | 0.101% |  |
| 262    | 11.958 | 11.942 | 11.971 | VV | 84174  | 1367216  | 5.46%  | 0.096% |  |
| 263    | 11.985 | 11.971 | 11.998 | VV | 80769  | 1235884  | 4.93%  | 0.087% |  |
| 264    | 12.010 | 11.998 | 12.023 | VV | 80219  | 1177990  | 4.70%  | 0.083% |  |
| 265    | 12.029 | 12.023 | 12.045 | VV | 78966  | 987309   | 3.94%  | 0.069% |  |
| 266    | 12.062 | 12.045 | 12.076 | VV | 93045  | 1598197  | 6.38%  | 0.112% |  |
| 267    | 12.094 | 12.076 | 12.113 | VV | 92695  | 1876866  | 7.49%  | 0.132% |  |
| 268    | 12.117 | 12.113 | 12.121 | VV | 81961  | 407142   | 1.63%  | 0.029% |  |
| 269    | 12.172 | 12.121 | 12.197 | VV | 121358 | 4387590  | 17.52% | 0.307% |  |
| 270    | 12.226 | 12.197 | 12.247 | VV | 122230 | 3076850  | 12.29% | 0.216% |  |
| 271    | 12.290 | 12.247 | 12.323 | VV | 155913 | 5495114  | 21.94% | 0.385% |  |
| 272    | 12.349 | 12.323 | 12.358 | VV | 136727 | 2397411  | 9.57%  | 0.168% |  |
| 273    | 12.367 | 12.358 | 12.397 | VV | 134632 | 2693833  | 10.76% | 0.189% |  |
| 274    | 12.429 | 12.397 | 12.440 | VV | 134985 | 3002771  | 11.99% | 0.210% |  |
| 275    | 12.461 | 12.440 | 12.478 | VV | 220356 | 3985976  | 15.92% | 0.279% |  |
| 276    | 12.523 | 12.478 | 12.547 | VV | 582131 | 11290452 | 45.08% | 0.791% |  |
| 277    | 12.554 | 12.547 | 12.558 | VV | 124402 | 792663   | 3.16%  | 0.056% |  |
| 278    | 12.577 | 12.558 | 12.630 | VV | 175858 | 5915936  | 23.62% | 0.415% |  |
| 279    | 12.639 | 12.630 | 12.652 | VV | 112208 | 1454844  | 5.81%  | 0.102% |  |
| 280    | 12.671 | 12.652 | 12.686 | VV | 135139 | 2462954  | 9.83%  | 0.173% |  |
| 281    | 12.703 | 12.686 | 12.717 | VV | 122509 | 2119108  | 8.46%  | 0.149% |  |
| 282    | 12.736 | 12.717 | 12.748 | VV | 127364 | 2181671  | 8.71%  | 0.153% |  |
| 283    | 12.766 | 12.748 | 12.806 | VV | 164587 | 4616232  | 18.43% | 0.323% |  |
| 284    | 12.812 | 12.806 | 12.832 | VV | 121551 | 1850772  | 7.39%  | 0.130% |  |
| 285    | 12.875 | 12.832 | 12.895 | VV | 274902 | 6472363  | 25.84% | 0.454% |  |
| 286    | 12.909 | 12.895 | 12.925 | VV | 163125 | 2804492  | 11.20% | 0.197% |  |
| 287    | 12.933 | 12.925 | 12.952 | VV | 155671 | 2331533  | 9.31%  | 0.163% |  |
| 288    | 12.971 | 12.952 | 12.986 | VV | 177124 | 3279653  | 13.09% | 0.230% |  |
| 289    | 12.997 | 12.986 | 13.002 | VV | 171899 | 1579232  | 6.31%  | 0.111% |  |
| 290    | 13.023 | 13.002 | 13.039 | VV | 197012 | 4055054  | 16.19% | 0.284% |  |
| 291    | 13.054 | 13.039 | 13.074 | VV | 207852 | 3848054  | 15.36% | 0.270% |  |
| 292    | 13.085 | 13.074 | 13.105 | VV | 166096 | 2772602  | 11.07% | 0.194% |  |
| 293    | 13.139 | 13.105 | 13.191 | VV | 661957 | 14625974 | 58.40% | 1.025% |  |
| 294    | 13.211 | 13.191 | 13.240 | VV | 235487 | 5426272  | 21.67% | 0.380% |  |
| 295    | 13.273 | 13.240 | 13.285 | VV | 182532 | 4245126  | 16.95% | 0.297% |  |
| 296    | 13.302 | 13.285 | 13.325 | VV | 224786 | 4563270  | 18.22% | 0.320% |  |
| 297    | 13.370 | 13.325 | 13.399 | VV | 218693 | 7853648  | 31.36% | 0.550% |  |
| 298    | 13.430 | 13.399 | 13.449 | VV | 228261 | 5902199  | 23.57% | 0.414% |  |
| 299    | 13.474 | 13.449 | 13.505 | VV | 280742 | 7721445  | 30.83% | 0.541% |  |

Instrument :

FID\_F

ClientSampleId :

WC-15-2-1-GRMSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/27/2022

Supervised By :mohammad ahmed 04/27/2022

|        |        |        |        |    |        |          | Instrument :<br>FID_F               |        |
|--------|--------|--------|--------|----|--------|----------|-------------------------------------|--------|
|        |        |        |        |    |        |          | ClientSampleId :<br>WC-15-2-1-GRMSD |        |
| rteres |        |        |        |    |        |          |                                     |        |
| 300    | 13.515 | 13.505 | 13.532 | VV | 199855 | 3072253  | 12.27%                              | 0.215% |
|        |        |        |        |    |        |          | Manual IntegrationsAPPROVED         |        |
| 301    | 13.578 | 13.532 | 13.597 | VV | 218754 | 7755023  | 30.27%                              | 0.672% |
| 302    | 13.618 | 13.597 | 13.633 | VV | 295148 | 5198257  | 20.40%                              | 0.095% |
| 303    | 13.650 | 13.633 | 13.666 | VV | 264071 | 4849999  | 19.56%                              | 0.449% |
| 304    | 13.676 | 13.666 | 13.695 | VV | 228902 | 3745911  | 14.52%                              | 0.375% |
| 305    | 13.726 | 13.695 | 13.743 | VV | 726789 | 13024770 | 52.26%                              | 0.373% |
| 306    | 13.751 | 13.743 | 13.769 | VV | 414918 | 5323931  | 21.26%                              | 0.672% |
| 307    | 13.790 | 13.769 | 13.830 | VV | 330858 | 9585524  | 38.27%                              | 0.095% |
| 308    | 13.834 | 13.830 | 13.840 | VV | 216964 | 1353086  | 5.40%                               | 0.449% |
| 309    | 13.851 | 13.840 | 13.893 | VV | 213233 | 6401511  | 25.56%                              | 0.375% |
| 310    | 13.927 | 13.893 | 13.934 | VV | 237388 | 5356987  | 21.39%                              |        |
|        |        |        |        |    |        |          |                                     |        |
| 311    | 13.957 | 13.934 | 13.983 | VV | 261097 | 6935275  | 27.69%                              | 0.486% |
| 312    | 14.019 | 13.983 | 14.045 | VV | 291216 | 8986222  | 35.88%                              | 0.630% |
| 313    | 14.056 | 14.045 | 14.070 | VV | 216808 | 3070399  | 12.26%                              | 0.215% |
| 314    | 14.088 | 14.070 | 14.107 | VV | 282890 | 5632971  | 22.49%                              | 0.395% |
| 315    | 14.143 | 14.107 | 14.157 | VV | 251091 | 7267593  | 29.02%                              | 0.509% |
|        |        |        |        |    |        |          |                                     |        |
| 316    | 14.177 | 14.157 | 14.190 | VV | 274863 | 5237307  | 20.91%                              | 0.367% |
| 317    | 14.211 | 14.190 | 14.240 | VV | 314658 | 8147179  | 32.53%                              | 0.571% |
| 318    | 14.290 | 14.240 | 14.310 | VV | 681068 | 16004428 | 63.90%                              | 1.122% |
| 319    | 14.321 | 14.310 | 14.342 | VV | 339926 | 5931611  | 23.68%                              | 0.416% |
| 320    | 14.353 | 14.342 | 14.368 | VV | 281238 | 4155106  | 16.59%                              | 0.291% |
|        |        |        |        |    |        |          |                                     |        |
| 321    | 14.392 | 14.368 | 14.406 | VV | 349271 | 7169110  | 28.62%                              | 0.502% |
| 322    | 14.421 | 14.406 | 14.441 | VV | 359372 | 6924022  | 27.65%                              | 0.485% |
| 323    | 14.458 | 14.441 | 14.473 | VV | 318909 | 5801443  | 23.16%                              | 0.407% |
| 324    | 14.491 | 14.473 | 14.529 | VV | 328608 | 10091085 | 40.29%                              | 0.707% |
| 325    | 14.544 | 14.529 | 14.550 | VV | 281884 | 3595613  | 14.36%                              | 0.252% |
|        |        |        |        |    |        |          |                                     |        |
| 326    | 14.579 | 14.550 | 14.598 | VV | 332511 | 8544414  | 34.12%                              | 0.599% |
| 327    | 14.621 | 14.598 | 14.669 | VV | 345172 | 13154916 | 52.52%                              | 0.922% |
| 328    | 14.682 | 14.669 | 14.693 | VV | 302709 | 4353527  | 17.38%                              | 0.305% |
| 329    | 14.698 | 14.693 | 14.702 | VV | 293510 | 1457955  | 5.82%                               | 0.102% |
| 330    | 14.716 | 14.702 | 14.741 | VV | 303354 | 6870840  | 27.43%                              | 0.481% |
|        |        |        |        |    |        |          |                                     |        |
| 331    | 14.768 | 14.741 | 14.791 | VV | 437821 | 10857173 | 43.35%                              | 0.761% |
| 332    | 14.831 | 14.791 | 14.877 | VV | 626278 | 22151323 | 88.45%                              | 1.552% |
| 333    | 14.929 | 14.877 | 14.959 | VV | 375660 | 16322461 | 65.17%                              | 1.144% |
| 334    | 14.976 | 14.959 | 14.994 | VV | 345263 | 6812707  | 27.20%                              | 0.477% |
| 335    | 15.024 | 14.994 | 15.054 | VV | 394510 | 12480597 | 49.83%                              | 0.875% |
|        |        |        |        |    |        |          |                                     |        |
| 336    | 15.082 | 15.054 | 15.107 | VV | 402643 | 11396788 | 45.50%                              | 0.799% |
| 337    | 15.124 | 15.107 | 15.144 | VV | 367994 | 7596772  | 30.33%                              | 0.532% |
| 338    | 15.165 | 15.144 | 15.170 | VV | 345192 | 4890938  | 19.53%                              | 0.343% |
| 339    | 15.173 | 15.170 | 15.186 | VV | 343720 | 3247181  | 12.97%                              | 0.228% |
| 340    | 15.217 | 15.186 | 15.250 | VV | 404442 | 13878746 | 55.41%                              | 0.973% |
|        |        |        |        |    |        |          |                                     |        |
| 341    | 15.262 | 15.250 | 15.279 | VV | 333414 | 5439786  | 21.72%                              | 0.381% |
| 342    | 15.284 | 15.279 | 15.302 | VV | 309628 | 4175731  | 16.67%                              | 0.293% |
| 343    | 15.353 | 15.302 | 15.382 | VV | 592846 | 18721348 | 74.75%                              | 1.312% |
| 344    | 15.398 | 15.382 | 15.415 | VV | 381301 | 7202552  | 28.76%                              | 0.505% |
| 345    | 15.452 | 15.415 | 15.471 | VV | 610375 | 15535850 | 62.03%                              | 1.089% |
|        |        |        |        |    |        |          |                                     |        |
| 346    | 15.489 | 15.471 | 15.522 | VV | 516113 | 12584507 | 50.25%                              | 0.882% |
| 347    | 15.534 | 15.522 | 15.542 | VV | 360763 | 4224308  | 16.87%                              | 0.296% |
| 348    | 15.562 | 15.542 | 15.568 | VV | 384025 | 5846312  | 23.34%                              | 0.410% |
| 349    | 15.587 | 15.568 | 15.601 | VV | 420612 | 8053904  | 32.16%                              | 0.564% |
| 350    | 15.619 | 15.601 | 15.658 | VV | 436296 | 13717171 | 54.77%                              | 0.961% |
|        |        |        |        |    |        |          |                                     |        |
| 351    | 15.673 | 15.658 | 15.694 | VV | 382439 | 8036927  | 32.09%                              | 0.563% |

|     |        |        |        |       |        |          |         |        |
|-----|--------|--------|--------|-------|--------|----------|---------|--------|
|     |        |        |        |       |        |          |         |        |
|     |        |        |        | rters |        |          |         |        |
| 352 | 15.714 | 15.694 | 15.757 | VV    | 418645 | 14374536 | 57.39%  | 1.007% |
| 353 | 15.782 | 15.757 | 15.800 | VV    | 386672 | 9371635  | 37.70%  | 0.662% |
| 354 | 15.854 | 15.800 | 15.902 | VV    | 589744 | 25045135 | 100.00% | 0.000% |
| 355 | 15.918 | 15.902 | 15.930 | VV    | 346069 | 5783851  | 23.42%  | 0.411% |
|     |        |        |        |       |        |          |         |        |
| 356 | 15.952 | 15.930 | 15.971 | VV    | 371704 | 8736610  | 34.68%  | 0.854% |
| 357 | 15.982 | 15.971 | 16.002 | VV    | 353581 | 6380387  | 25.35%  | 0.445% |
| 358 | 16.045 | 16.002 | 16.073 | VV    | 464259 | 17097153 | 68.27%  | 1.198% |
| 359 | 16.094 | 16.073 | 16.111 | VV    | 422106 | 9119997  | 36.41%  | 0.639% |
| 360 | 16.130 | 16.111 | 16.141 | VV    | 435666 | 7595624  | 30.33%  | 0.532% |
|     |        |        |        |       |        |          |         |        |
| 361 | 16.154 | 16.141 | 16.180 | VV    | 442458 | 9442395  | 37.70%  | 0.662% |
| 362 | 16.221 | 16.180 | 16.231 | VV    | 414541 | 12192122 | 48.68%  | 0.854% |
| 363 | 16.239 | 16.231 | 16.244 | VV    | 409651 | 3250650  | 12.98%  | 0.228% |
| 364 | 16.261 | 16.244 | 16.295 | VV    | 452813 | 12270249 | 48.99%  | 0.860% |
| 365 | 16.337 | 16.295 | 16.384 | VV    | 639409 | 22960089 | 91.67%  | 1.609% |
|     |        |        |        |       |        |          |         |        |
| 366 | 16.397 | 16.384 | 16.414 | VV    | 372534 | 6348056  | 25.35%  | 0.445% |
| 367 | 16.437 | 16.414 | 16.460 | VV    | 390520 | 10465625 | 41.79%  | 0.733% |
| 368 | 16.484 | 16.460 | 16.522 | VV    | 410539 | 14320920 | 57.18%  | 1.004% |
| 369 | 16.528 | 16.522 | 16.551 | VV    | 368550 | 6349052  | 25.35%  | 0.445% |
| 370 | 16.568 | 16.551 | 16.602 | VV    | 361862 | 10843122 | 43.29%  | 0.760% |
|     |        |        |        |       |        |          |         |        |
| 371 | 16.634 | 16.602 | 16.644 | VV    | 407648 | 9389692  | 37.49%  | 0.658% |
| 372 | 16.665 | 16.644 | 16.696 | VV    | 510766 | 13695077 | 54.68%  | 0.960% |
| 373 | 16.722 | 16.696 | 16.745 | VV    | 461786 | 11660958 | 46.56%  | 0.817% |
| 374 | 16.768 | 16.745 | 16.775 | VV    | 381036 | 6641323  | 26.52%  | 0.465% |
| 375 | 16.802 | 16.775 | 16.850 | VV    | 486499 | 18102012 | 72.28%  | 1.269% |
|     |        |        |        |       |        |          |         |        |
| 376 | 16.872 | 16.850 | 16.897 | VV    | 361428 | 10013113 | 39.98%  | 0.702% |
| 377 | 16.902 | 16.897 | 16.913 | VV    | 349451 | 3203911  | 12.79%  | 0.225% |
| 378 | 16.958 | 16.913 | 16.988 | VV    | 386412 | 16562690 | 66.13%  | 1.161% |
| 379 | 16.998 | 16.988 | 17.002 | VV    | 342575 | 2755090  | 11.00%  | 0.193% |
| 380 | 17.006 | 17.002 | 17.025 | VV    | 346818 | 4783815  | 19.10%  | 0.335% |
|     |        |        |        |       |        |          |         |        |
| 381 | 17.042 | 17.025 | 17.049 | VV    | 344669 | 4868960  | 19.44%  | 0.341% |
| 382 | 17.085 | 17.049 | 17.108 | VV    | 370140 | 12566821 | 50.18%  | 0.881% |
| 383 | 17.113 | 17.108 | 17.118 | VV    | 349548 | 1941074  | 7.75%   | 0.136% |
| 384 | 17.122 | 17.118 | 17.151 | VV    | 348363 | 6740509  | 26.91%  | 0.472% |
| 385 | 17.157 | 17.151 | 17.162 | VV    | 319217 | 2045010  | 8.17%   | 0.143% |
|     |        |        |        |       |        |          |         |        |
| 386 | 17.181 | 17.162 | 17.195 | VV    | 338667 | 6408543  | 25.59%  | 0.449% |
| 387 | 17.250 | 17.195 | 17.288 | VV    | 513524 | 22027240 | 87.95%  | 1.544% |
| 388 | 17.305 | 17.288 | 17.322 | VV    | 357391 | 7046031  | 28.13%  | 0.494% |
| 389 | 17.333 | 17.322 | 17.355 | VV    | 341565 | 6514239  | 26.01%  | 0.457% |
| 390 | 17.387 | 17.355 | 17.414 | VV    | 377715 | 12112478 | 48.36%  | 0.849% |
|     |        |        |        |       |        |          |         |        |
| 391 | 17.428 | 17.414 | 17.477 | VV    | 338152 | 12095325 | 48.29%  | 0.848% |
| 392 | 17.480 | 17.477 | 17.509 | VV    | 305302 | 5693196  | 22.73%  | 0.399% |
| 393 | 17.518 | 17.509 | 17.524 | VV    | 297170 | 2773938  | 11.08%  | 0.194% |
| 394 | 17.528 | 17.524 | 17.548 | VV    | 298784 | 4139532  | 16.53%  | 0.290% |
| 395 | 17.558 | 17.548 | 17.566 | VV    | 301131 | 3250955  | 12.98%  | 0.228% |
|     |        |        |        |       |        |          |         |        |
| 396 | 17.571 | 17.566 | 17.591 | VV    | 293945 | 4350970  | 17.37%  | 0.305% |
| 397 | 17.597 | 17.591 | 17.603 | VV    | 283281 | 1951594  | 7.79%   | 0.137% |
| 398 | 17.627 | 17.603 | 17.648 | VV    | 300470 | 7893363  | 31.52%  | 0.553% |
| 399 | 17.685 | 17.648 | 17.722 | VV    | 404424 | 14478017 | 57.81%  | 1.015% |
| 400 | 17.750 | 17.722 | 17.754 | VV    | 309005 | 5866283  | 23.42%  | 0.411% |
|     |        |        |        |       |        |          |         |        |
| 401 | 17.758 | 17.754 | 17.793 | VV    | 308583 | 6866595  | 27.42%  | 0.481% |
| 402 | 17.826 | 17.793 | 17.865 | VV    | 297660 | 12314333 | 49.17%  | 0.863% |
| 403 | 17.884 | 17.865 | 17.907 | VV    | 296274 | 7007314  | 27.98%  | 0.491% |
| 404 | 17.946 | 17.907 | 17.977 | VV    | 298193 | 11778845 | 47.03%  | 0.825% |

Instrument :

FID\_F

ClientSampleId :

WC-15-2-1-GRMSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/27/2022

Supervised By :mohammad ahmed 04/27/2022

|               |        |        |        |    |        |          | Instrument :<br>FID_F               |        |
|---------------|--------|--------|--------|----|--------|----------|-------------------------------------|--------|
|               |        |        |        |    |        |          | ClientSampleId :<br>WC-15-2-1-GRMSD |        |
| Interferences |        |        |        |    |        |          |                                     |        |
| 405           | 17.991 | 17.977 | 18.017 | VV | 283288 | 6567238  | 26.22%                              | 0.460% |
|               |        |        |        |    |        |          | Manual IntegrationsAPPROVED         |        |
| 406           | 18.024 | 18.017 | 18.039 | VV | 257146 | 3311583  | 13.59%                              | 0.168% |
| 407           | 18.044 | 18.039 | 18.050 | VV | 243833 | 1479731  | 8.95%                               | 0.107% |
| 408           | 18.106 | 18.050 | 18.153 | VV | 307913 | 16357303 | 65.52%                              | 0.855% |
| 409           | 18.168 | 18.153 | 18.192 | VV | 247896 | 5682212  | 22.54%                              | 0.306% |
| 410           | 18.215 | 18.192 | 18.237 | VV | 261496 | 6828413  | 27.23%                              | 0.361% |
|               |        |        |        |    |        |          |                                     |        |
| 411           | 18.253 | 18.237 | 18.298 | VV | 277788 | 9154959  | 36.55%                              | 0.642% |
| 412           | 18.303 | 18.298 | 18.315 | VV | 229547 | 2401934  | 9.59%                               | 0.168% |
| 413           | 18.342 | 18.315 | 18.362 | VV | 265210 | 6920158  | 27.63%                              | 0.485% |
| 414           | 18.369 | 18.362 | 18.400 | VV | 239872 | 5359583  | 21.40%                              | 0.376% |
| 415           | 18.424 | 18.400 | 18.437 | VV | 231173 | 4988461  | 19.92%                              | 0.350% |
|               |        |        |        |    |        |          |                                     |        |
| 416           | 18.441 | 18.437 | 18.464 | VV | 224789 | 3530694  | 14.10%                              | 0.247% |
| 417           | 18.479 | 18.464 | 18.490 | VV | 226245 | 3550449  | 14.18%                              | 0.249% |
| 418           | 18.512 | 18.490 | 18.552 | VV | 261662 | 8387046  | 33.49%                              | 0.588% |
| 419           | 18.566 | 18.552 | 18.581 | VV | 200510 | 3534260  | 14.11%                              | 0.248% |
| 420           | 18.584 | 18.581 | 18.605 | VV | 199163 | 2725866  | 10.88%                              | 0.191% |
|               |        |        |        |    |        |          |                                     |        |
| 421           | 18.644 | 18.605 | 18.671 | VV | 216635 | 8192547  | 32.71%                              | 0.574% |
| 422           | 18.685 | 18.671 | 18.735 | VV | 207284 | 7575836  | 30.25%                              | 0.531% |
| 423           | 18.769 | 18.735 | 18.790 | VV | 218794 | 6731719  | 26.88%                              | 0.472% |
| 424           | 18.796 | 18.790 | 18.831 | VV | 199065 | 4727035  | 18.87%                              | 0.331% |
| 425           | 18.852 | 18.831 | 18.874 | VV | 200421 | 4849662  | 19.36%                              | 0.340% |
|               |        |        |        |    |        |          |                                     |        |
| 426           | 18.911 | 18.874 | 18.950 | VV | 209641 | 8514289  | 34.00%                              | 0.597% |
| 427           | 18.954 | 18.950 | 18.958 | VV | 173942 | 865252   | 3.45%                               | 0.061% |
| 428           | 18.962 | 18.958 | 18.995 | VV | 174052 | 3739545  | 14.93%                              | 0.262% |
| 429           | 19.022 | 18.995 | 19.064 | VV | 192082 | 7438559  | 29.70%                              | 0.521% |
| 430           | 19.069 | 19.064 | 19.101 | VV | 164429 | 3561988  | 14.22%                              | 0.250% |
|               |        |        |        |    |        |          |                                     |        |
| 431           | 19.110 | 19.101 | 19.115 | VV | 159116 | 1333909  | 5.33%                               | 0.093% |
| 432           | 19.123 | 19.115 | 19.130 | VV | 159784 | 1382094  | 5.52%                               | 0.097% |
| 433           | 19.135 | 19.130 | 19.140 | VV | 157052 | 934078   | 3.73%                               | 0.065% |
| 434           | 19.144 | 19.140 | 19.155 | VV | 156328 | 1391252  | 5.55%                               | 0.097% |
| 435           | 19.160 | 19.155 | 19.166 | VV | 153328 | 1018526  | 4.07%                               | 0.071% |
|               |        |        |        |    |        |          |                                     |        |
| 436           | 19.173 | 19.166 | 19.192 | VV | 155817 | 2383806  | 9.52%                               | 0.167% |
| 437           | 19.199 | 19.192 | 19.234 | VV | 153743 | 3744118  | 14.95%                              | 0.262% |
| 438           | 19.241 | 19.234 | 19.262 | VV | 147090 | 2484140  | 9.92%                               | 0.174% |
| 439           | 19.293 | 19.262 | 19.326 | VV | 177488 | 6096471  | 24.34%                              | 0.427% |
| 440           | 19.330 | 19.326 | 19.336 | VV | 149099 | 888489   | 3.55%                               | 0.062% |
|               |        |        |        |    |        |          |                                     |        |
| 441           | 19.339 | 19.336 | 19.373 | VV | 150681 | 3152055  | 12.59%                              | 0.221% |
| 442           | 19.384 | 19.373 | 19.391 | VV | 140279 | 1525520  | 6.09%                               | 0.107% |
| 443           | 19.409 | 19.391 | 19.413 | VV | 141438 | 1815930  | 7.25%                               | 0.127% |
| 444           | 19.417 | 19.413 | 19.458 | VV | 140485 | 3637971  | 14.53%                              | 0.255% |
| 445           | 19.462 | 19.458 | 19.469 | VV | 134134 | 855986   | 3.42%                               | 0.060% |
|               |        |        |        |    |        |          |                                     |        |
| 446           | 19.472 | 19.469 | 19.478 | VV | 131993 | 726459   | 2.90%                               | 0.051% |
| 447           | 19.495 | 19.478 | 19.544 | VV | 138738 | 5312286  | 21.21%                              | 0.372% |
| 448           | 19.555 | 19.544 | 19.570 | VV | 129895 | 1986429  | 7.93%                               | 0.139% |
| 449           | 19.575 | 19.570 | 19.616 | VV | 126149 | 3346912  | 13.36%                              | 0.235% |
| 450           | 19.619 | 19.616 | 19.622 | VV | 119635 | 414734   | 1.66%                               | 0.029% |
|               |        |        |        |    |        |          |                                     |        |
| 451           | 19.663 | 19.622 | 19.704 | VV | 128259 | 6015569  | 24.02%                              | 0.422% |
| 452           | 19.707 | 19.704 | 19.751 | VV | 116834 | 3149587  | 12.58%                              | 0.221% |
| 453           | 19.768 | 19.751 | 19.821 | VV | 115994 | 4604050  | 18.38%                              | 0.323% |
| 454           | 19.829 | 19.821 | 19.837 | VV | 109046 | 1023453  | 4.09%                               | 0.072% |
| 455           | 19.857 | 19.837 | 19.890 | VV | 117832 | 3536556  | 14.12%                              | 0.248% |
|               |        |        |        |    |        |          |                                     |        |
| 456           | 19.898 | 19.890 | 19.904 | VV | 103981 | 850320   | 3.40%                               | 0.060% |

|     |        |        |        |    |        |         |        |        |  |
|-----|--------|--------|--------|----|--------|---------|--------|--------|--|
|     |        |        |        |    |        |         |        |        |  |
|     |        |        |        |    | rteres |         |        |        |  |
| 457 | 19.914 | 19.904 | 19.924 | VV | 104126 | 1196826 | 4.78%  | 0.084% |  |
| 458 | 19.928 | 19.924 | 19.944 | VV | 102365 | 1212430 |        |        |  |
| 459 | 19.948 | 19.944 | 19.986 | VV | 100890 | 2505721 |        |        |  |
| 460 | 19.991 | 19.986 | 20.006 | VV | 98299  | 1161913 |        |        |  |
|     |        |        |        |    |        |         |        |        |  |
| 461 | 20.028 | 20.006 | 20.061 | VV | 106917 | 3273080 |        |        |  |
| 462 | 20.065 | 20.061 | 20.081 | VV | 95309  | 1122963 |        |        |  |
| 463 | 20.089 | 20.081 | 20.113 | VV | 93930  | 1750201 | 6.99%  | 0.123% |  |
| 464 | 20.124 | 20.113 | 20.162 | VV | 94235  | 2641925 | 10.55% | 0.185% |  |
| 465 | 20.170 | 20.162 | 20.175 | VV | 87436  | 682545  | 2.73%  | 0.048% |  |
|     |        |        |        |    |        |         |        |        |  |
| 466 | 20.180 | 20.175 | 20.184 | VV | 86785  | 499729  | 2.00%  | 0.035% |  |
| 467 | 20.198 | 20.184 | 20.246 | VV | 89289  | 3064457 | 12.24% | 0.215% |  |
| 468 | 20.272 | 20.246 | 20.292 | VV | 83820  | 2247641 | 8.97%  | 0.158% |  |
| 469 | 20.299 | 20.292 | 20.309 | VV | 81269  | 838301  | 3.35%  | 0.059% |  |
| 470 | 20.316 | 20.309 | 20.321 | VV | 81158  | 555352  | 2.22%  | 0.039% |  |
|     |        |        |        |    |        |         |        |        |  |
| 471 | 20.326 | 20.321 | 20.332 | VV | 80869  | 533134  | 2.13%  | 0.037% |  |
| 472 | 20.336 | 20.332 | 20.358 | VV | 82194  | 1245362 | 4.97%  | 0.087% |  |
| 473 | 20.373 | 20.358 | 20.415 | VV | 80115  | 2583573 | 10.32% | 0.181% |  |
| 474 | 20.423 | 20.415 | 20.469 | VV | 71366  | 2241848 | 8.95%  | 0.157% |  |
| 475 | 20.482 | 20.469 | 20.515 | VV | 67832  | 1815085 | 7.25%  | 0.127% |  |
|     |        |        |        |    |        |         |        |        |  |
| 476 | 20.519 | 20.515 | 20.527 | VV | 64465  | 472023  | 1.88%  | 0.033% |  |
| 477 | 20.537 | 20.527 | 20.579 | VV | 64351  | 1903092 | 7.60%  | 0.133% |  |
| 478 | 20.590 | 20.579 | 20.610 | VV | 58899  | 1082355 | 4.32%  | 0.076% |  |
| 479 | 20.622 | 20.610 | 20.630 | VV | 57726  | 659576  | 2.63%  | 0.046% |  |
| 480 | 20.634 | 20.630 | 20.640 | VV | 55958  | 331555  | 1.32%  | 0.023% |  |
|     |        |        |        |    |        |         |        |        |  |
| 481 | 20.642 | 20.640 | 20.664 | VV | 56046  | 792494  | 3.16%  | 0.056% |  |
| 482 | 20.672 | 20.664 | 20.698 | VV | 55238  | 1096099 | 4.38%  | 0.077% |  |
| 483 | 20.709 | 20.698 | 20.714 | VV | 51264  | 505923  | 2.02%  | 0.035% |  |
| 484 | 20.724 | 20.714 | 20.732 | VV | 51888  | 542648  | 2.17%  | 0.038% |  |
| 485 | 20.744 | 20.732 | 20.792 | VV | 54114  | 1744583 | 6.97%  | 0.122% |  |
|     |        |        |        |    |        |         |        |        |  |
| 486 | 20.806 | 20.792 | 20.815 | VV | 43110  | 584014  | 2.33%  | 0.041% |  |
| 487 | 20.820 | 20.815 | 20.834 | VV | 42238  | 459450  | 1.83%  | 0.032% |  |
| 488 | 20.837 | 20.834 | 20.843 | VV | 40698  | 222461  | 0.89%  | 0.016% |  |
| 489 | 20.854 | 20.843 | 20.894 | VV | 41433  | 1210329 | 4.83%  | 0.085% |  |
| 490 | 20.900 | 20.894 | 20.922 | VV | 38601  | 637387  | 2.54%  | 0.045% |  |
|     |        |        |        |    |        |         |        |        |  |
| 491 | 20.928 | 20.922 | 20.949 | VV | 38223  | 584617  | 2.33%  | 0.041% |  |
| 492 | 20.953 | 20.949 | 20.963 | VV | 35669  | 301104  | 1.20%  | 0.021% |  |
| 493 | 20.967 | 20.963 | 20.995 | VV | 35672  | 654723  | 2.61%  | 0.046% |  |
| 494 | 20.998 | 20.995 | 21.003 | VV | 33347  | 147341  | 0.59%  | 0.010% |  |
| 495 | 21.008 | 21.003 | 21.026 | VV | 32668  | 437849  | 1.75%  | 0.031% |  |
|     |        |        |        |    |        |         |        |        |  |
| 496 | 21.045 | 21.026 | 21.157 | VV | 33255  | 2234907 | 8.92%  | 0.157% |  |
| 497 | 21.164 | 21.157 | 21.169 | VV | 24608  | 187236  | 0.75%  | 0.013% |  |
| 498 | 21.179 | 21.169 | 21.185 | VV | 24021  | 220973  | 0.88%  | 0.015% |  |
| 499 | 21.190 | 21.185 | 21.200 | VV | 23081  | 206379  | 0.82%  | 0.014% |  |
| 500 | 21.206 | 21.200 | 21.232 | VV | 23245  | 419560  | 1.68%  | 0.029% |  |
|     |        |        |        |    |        |         |        |        |  |
| 501 | 21.243 | 21.232 | 21.249 | VV | 21545  | 209346  | 0.84%  | 0.015% |  |
| 502 | 21.258 | 21.249 | 21.265 | VV | 21901  | 211563  | 0.84%  | 0.015% |  |
| 503 | 21.270 | 21.265 | 21.274 | VV | 21955  | 108206  | 0.43%  | 0.008% |  |
| 504 | 21.278 | 21.274 | 21.351 | VV | 22095  | 889128  | 3.55%  | 0.062% |  |
| 505 | 21.361 | 21.351 | 21.416 | VV | 16699  | 556835  | 2.22%  | 0.039% |  |
|     |        |        |        |    |        |         |        |        |  |
| 506 | 21.421 | 21.416 | 21.431 | VV | 12481  | 112512  | 0.45%  | 0.008% |  |
| 507 | 21.436 | 21.431 | 21.450 | VV | 11846  | 123589  | 0.49%  | 0.009% |  |
| 508 | 21.451 | 21.450 | 21.457 | VV | 11450  | 49111   | 0.20%  | 0.003% |  |
| 509 | 21.465 | 21.457 | 21.475 | VV | 11645  | 120874  | 0.48%  | 0.008% |  |

Instrument :

FID\_F

ClientSampleId :

WC-15-2-1-GRMSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/27/2022

Supervised By :mohammad ahmed 04/27/2022

|                         | Area   | Height | Width  | Area | Height     | Area   | Height | Area   | Height |
|-------------------------|--------|--------|--------|------|------------|--------|--------|--------|--------|
| 510                     | 21.490 | 21.475 | 21.494 | VV   | 11926      | 124041 | 0.50%  | 0.009% |        |
| 511                     | 21.503 | 21.494 | 21.520 | VV   | 11869      | 175617 |        |        |        |
| 512                     | 21.525 | 21.520 | 21.547 | VV   | 10187      | 153409 |        |        |        |
| 513                     | 21.551 | 21.547 | 21.561 | VV   | 9423       | 77978  |        |        |        |
| 514                     | 21.573 | 21.561 | 21.596 | VV   | 9950       | 194420 |        |        |        |
| 515                     | 21.624 | 21.596 | 21.725 | VV   | 12978      | 623208 |        |        |        |
| 516                     | 21.731 | 21.725 | 21.735 | VV   | 4400       | 25984  | 0.10%  | 0.002% |        |
| 517                     | 21.742 | 21.735 | 21.760 | VV   | 4260       | 55716  | 0.22%  | 0.004% |        |
| 518                     | 21.763 | 21.760 | 21.782 | VV   | 3880       | 39487  | 0.16%  | 0.003% |        |
| 519                     | 21.784 | 21.782 | 21.800 | VBA  | 2218       | 29262  | 0.12%  | 0.002% |        |
| Sum of corrected areas: |        |        |        |      | 1426971549 |        |        |        |        |

Instrument :  
FID\_F  
ClientSampleId :  
WC-15-2-1-GRMSD

0.50% 0.009%

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/27/2022  
Supervised By :mohammad ahmed 04/27/2022

FF040122.M Wed Apr 27 14:48:13 2022