

rteres

Instrument :

FID\_C

ClientSampleId :

CW-1MS

Area Percent Report

Manual IntegrationsAPPROVED

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC03292

Data File : FC058950.D

Signal(s) : FID1A.CH

Acq On : 29 Mar 2022 20:12

Sample : N2142-01MS

Misc :

ALS Vial : 8 Sample Multiplier: 1

Reviewed By :Yogesh Patel 03/30/2022

Supervised By :mohammad ahmed 04/01/2022

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 032522.M

Title : GC Extractables

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         | 2.954       | 2.905        | 3.114      | BV       | 271633         | 2470948      | 20.16%         | 0.574%        |
| 2         | 3.124       | 3.114        | 3.135      | VV       | 701            | 7467         | 0.06%          | 0.002%        |
| 3         | 3.146       | 3.135        | 3.188      | VV       | 641            | 15610        | 0.13%          | 0.004%        |
| 4         | 3.204       | 3.188        | 3.215      | VV       | 641            | 7571         | 0.06%          | 0.002%        |
| 5         | 3.234       | 3.215        | 3.291      | VV       | 1792           | 31380        | 0.26%          | 0.007%        |
| 6         | 3.313       | 3.291        | 3.348      | VV       | 663            | 12188        | 0.10%          | 0.003%        |
| 7         | 3.373       | 3.348        | 3.408      | VV       | 417            | 12183        | 0.10%          | 0.003%        |
| 8         | 3.415       | 3.408        | 3.445      | VV       | 305            | 4405         | 0.04%          | 0.001%        |
| 9         | 3.463       | 3.445        | 3.500      | VV       | 192            | 3751         | 0.03%          | 0.001%        |
| 10        | 3.522       | 3.500        | 3.570      | VV       | 396            | 10341        | 0.08%          | 0.002%        |
| 11        | 3.601       | 3.570        | 3.620      | VV       | 1846           | 22507        | 0.18%          | 0.005%        |
| 12        | 3.635       | 3.620        | 3.675      | VV       | 1070           | 18027        | 0.15%          | 0.004%        |
| 13        | 3.696       | 3.675        | 3.712      | VV       | 564            | 8841         | 0.07%          | 0.002%        |
| 14        | 3.729       | 3.712        | 3.754      | VV       | 699            | 12459        | 0.10%          | 0.003%        |
| 15        | 3.774       | 3.754        | 3.806      | VV       | 1031           | 17226        | 0.14%          | 0.004%        |
| 16        | 3.822       | 3.806        | 3.871      | VV       | 712            | 13791        | 0.11%          | 0.003%        |
| 17        | 3.909       | 3.871        | 3.926      | PV       | 863            | 15563        | 0.13%          | 0.004%        |
| 18        | 3.942       | 3.926        | 3.964      | VV       | 663            | 9898         | 0.08%          | 0.002%        |
| 19        | 3.996       | 3.964        | 4.088      | VV       | 314343         | 3081043      | 25.13%         | 0.715%        |
| 20        | 4.097       | 4.088        | 4.140      | VV       | 1382           | 36694        | 0.30%          | 0.009%        |
| 21        | 4.162       | 4.140        | 4.178      | VV       | 1532           | 27690        | 0.23%          | 0.006%        |
| 22        | 4.190       | 4.178        | 4.205      | VV       | 1095           | 16608        | 0.14%          | 0.004%        |
| 23        | 4.217       | 4.205        | 4.229      | VV       | 1241           | 14908        | 0.12%          | 0.003%        |
| 24        | 4.245       | 4.229        | 4.259      | VV       | 1985           | 25019        | 0.20%          | 0.006%        |
| 25        | 4.275       | 4.259        | 4.324      | VV       | 1997           | 41975        | 0.34%          | 0.010%        |
| 26        | 4.338       | 4.324        | 4.348      | VV       | 888            | 10665        | 0.09%          | 0.002%        |
| 27        | 4.364       | 4.348        | 4.395      | VV       | 1505           | 23922        | 0.20%          | 0.006%        |
| 28        | 4.435       | 4.395        | 4.469      | VV       | 860            | 24778        | 0.20%          | 0.006%        |
| 29        | 4.480       | 4.469        | 4.525      | VV       | 432            | 9507         | 0.08%          | 0.002%        |
| 30        | 4.539       | 4.525        | 4.547      | VV       | 671            | 6748         | 0.06%          | 0.002%        |
| 31        | 4.561       | 4.547        | 4.581      | VV       | 1049           | 15141        | 0.12%          | 0.004%        |
| 32        | 4.619       | 4.581        | 4.650      | VV       | 2450           | 44784        | 0.37%          | 0.010%        |
| 33        | 4.670       | 4.650        | 4.708      | VV       | 1744           | 28155        | 0.23%          | 0.007%        |
| 34        | 4.729       | 4.708        | 4.752      | VV       | 855            | 12610        | 0.10%          | 0.003%        |
| 35        | 4.782       | 4.752        | 4.795      | VV       | 601            | 9189         | 0.07%          | 0.002%        |
| 36        | 4.811       | 4.795        | 4.821      | VV       | 570            | 7861         | 0.06%          | 0.002%        |

|    |       |       |       |    | nteres |         |        |        |  |
|----|-------|-------|-------|----|--------|---------|--------|--------|--|
| 37 | 4.831 | 4.821 | 4.858 | VV | 567    | 9738    | 0.08%  | 0.002% |  |
| 38 | 4.866 | 4.858 | 4.880 | VV | 491    | 5171    |        |        |  |
| 39 | 4.903 | 4.880 | 4.944 | VV | 494    | 13750   |        |        |  |
| 40 | 4.958 | 4.944 | 4.969 | VV | 346    | 3604    |        |        |  |
| 41 | 4.982 | 4.969 | 4.997 | VV | 243    | 2743    |        |        |  |
| 42 | 5.023 | 4.997 | 5.048 | VV | 4544   | 60248   |        |        |  |
| 43 | 5.058 | 5.048 | 5.083 | VV | 1364   | 18918   | 0.15%  | 0.004% |  |
| 44 | 5.090 | 5.083 | 5.151 | VV | 525    | 14756   | 0.12%  | 0.003% |  |
| 45 | 5.174 | 5.151 | 5.191 | VV | 1227   | 17126   | 0.14%  | 0.004% |  |
| 46 | 5.207 | 5.191 | 5.239 | VV | 630    | 11811   | 0.10%  | 0.003% |  |
| 47 | 5.261 | 5.239 | 5.280 | VV | 406    | 6773    | 0.06%  | 0.002% |  |
| 48 | 5.302 | 5.280 | 5.345 | VV | 1200   | 21955   | 0.18%  | 0.005% |  |
| 49 | 5.363 | 5.345 | 5.402 | VV | 651    | 13560   | 0.11%  | 0.003% |  |
| 50 | 5.419 | 5.402 | 5.443 | VV | 364    | 5631    | 0.05%  | 0.001% |  |
| 51 | 5.470 | 5.443 | 5.488 | PV | 573    | 9045    | 0.07%  | 0.002% |  |
| 52 | 5.515 | 5.488 | 5.548 | VV | 487    | 12885   | 0.11%  | 0.003% |  |
| 53 | 5.578 | 5.548 | 5.599 | VV | 1164   | 21974   | 0.18%  | 0.005% |  |
| 54 | 5.615 | 5.599 | 5.641 | VV | 840    | 14570   | 0.12%  | 0.003% |  |
| 55 | 5.659 | 5.641 | 5.682 | VV | 1540   | 23548   | 0.19%  | 0.005% |  |
| 56 | 5.717 | 5.682 | 5.749 | VV | 1841   | 34204   | 0.28%  | 0.008% |  |
| 57 | 5.797 | 5.749 | 5.849 | VV | 621    | 22022   | 0.18%  | 0.005% |  |
| 58 | 5.872 | 5.849 | 5.884 | VV | 830    | 12382   | 0.10%  | 0.003% |  |
| 59 | 5.907 | 5.884 | 5.964 | VV | 982    | 29503   | 0.24%  | 0.007% |  |
| 60 | 5.996 | 5.964 | 6.064 | PV | 386613 | 4042531 | 32.97% | 0.939% |  |
| 61 | 6.073 | 6.064 | 6.098 | VV | 1640   | 25865   | 0.21%  | 0.006% |  |
| 62 | 6.110 | 6.098 | 6.120 | VV | 1157   | 13491   | 0.11%  | 0.003% |  |
| 63 | 6.142 | 6.120 | 6.194 | VV | 4608   | 76638   | 0.63%  | 0.018% |  |
| 64 | 6.214 | 6.194 | 6.251 | VV | 1156   | 24147   | 0.20%  | 0.006% |  |
| 65 | 6.271 | 6.251 | 6.283 | VV | 833    | 8857    | 0.07%  | 0.002% |  |
| 66 | 6.301 | 6.283 | 6.335 | VV | 1334   | 21937   | 0.18%  | 0.005% |  |
| 67 | 6.345 | 6.335 | 6.356 | VV | 543    | 4882    | 0.04%  | 0.001% |  |
| 68 | 6.368 | 6.356 | 6.404 | VV | 704    | 10572   | 0.09%  | 0.002% |  |
| 69 | 6.426 | 6.404 | 6.441 | PV | 575    | 7450    | 0.06%  | 0.002% |  |
| 70 | 6.455 | 6.441 | 6.468 | VV | 507    | 6290    | 0.05%  | 0.001% |  |
| 71 | 6.495 | 6.468 | 6.524 | VV | 1743   | 36890   | 0.30%  | 0.009% |  |
| 72 | 6.550 | 6.524 | 6.571 | VV | 1707   | 27849   | 0.23%  | 0.006% |  |
| 73 | 6.594 | 6.571 | 6.631 | VV | 2155   | 42299   | 0.35%  | 0.010% |  |
| 74 | 6.651 | 6.631 | 6.670 | VV | 1683   | 22725   | 0.19%  | 0.005% |  |
| 75 | 6.690 | 6.670 | 6.724 | VV | 4583   | 55014   | 0.45%  | 0.013% |  |
| 76 | 6.742 | 6.724 | 6.753 | VV | 939    | 11012   | 0.09%  | 0.003% |  |
| 77 | 6.772 | 6.753 | 6.815 | VV | 1871   | 37336   | 0.30%  | 0.009% |  |
| 78 | 6.832 | 6.815 | 6.851 | VV | 1044   | 15197   | 0.12%  | 0.004% |  |
| 79 | 6.866 | 6.851 | 6.887 | VV | 852    | 14706   | 0.12%  | 0.003% |  |
| 80 | 6.915 | 6.887 | 6.988 | VV | 13742  | 204101  | 1.66%  | 0.047% |  |
| 81 | 7.009 | 6.988 | 7.022 | VV | 1243   | 21432   | 0.17%  | 0.005% |  |
| 82 | 7.031 | 7.022 | 7.041 | VV | 1201   | 12090   | 0.10%  | 0.003% |  |
| 83 | 7.081 | 7.041 | 7.106 | VV | 2478   | 55236   | 0.45%  | 0.013% |  |
| 84 | 7.120 | 7.106 | 7.144 | VV | 662    | 8720    | 0.07%  | 0.002% |  |
| 85 | 7.168 | 7.144 | 7.198 | VV | 2065   | 27425   | 0.22%  | 0.006% |  |
| 86 | 7.238 | 7.198 | 7.256 | PV | 2353   | 38264   | 0.31%  | 0.009% |  |
| 87 | 7.271 | 7.256 | 7.297 | VV | 1611   | 24471   | 0.20%  | 0.006% |  |
| 88 | 7.311 | 7.297 | 7.325 | VV | 1023   | 12343   | 0.10%  | 0.003% |  |
| 89 | 7.336 | 7.325 | 7.345 | VV | 957    | 9070    | 0.07%  | 0.002% |  |

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Supervised By :mohammad ahmed 04/01/2022

|     |       |       |       |    |        |         |        |        |
|-----|-------|-------|-------|----|--------|---------|--------|--------|
| 90  | 7.364 | 7.345 | 7.378 | VV | 2632   | 32543   | 0.27%  | 0.008% |
| 91  | 7.389 | 7.378 | 7.409 | VV | 2037   | 25340   |        |        |
| 92  | 7.432 | 7.409 | 7.458 | VV | 2456   | 42639   |        |        |
| 93  | 7.478 | 7.458 | 7.508 | VV | 4957   | 81389   |        |        |
| 94  | 7.531 | 7.508 | 7.570 | VV | 5344   | 80524   |        |        |
| 95  | 7.597 | 7.570 | 7.618 | VV | 8306   | 100395  |        |        |
| 96  | 7.630 | 7.618 | 7.659 | VV | 1776   | 22406   | 0.18%  | 0.005% |
| 97  | 7.680 | 7.659 | 7.698 | PV | 1833   | 24387   | 0.20%  | 0.006% |
| 98  | 7.734 | 7.698 | 7.747 | VV | 1716   | 44477   | 0.36%  | 0.010% |
| 99  | 7.780 | 7.747 | 7.855 | VV | 445749 | 4930858 | 40.22% | 1.145% |
| 100 | 7.899 | 7.855 | 7.955 | VV | 4218   | 136067  | 1.11%  | 0.032% |
| 101 | 7.969 | 7.955 | 7.988 | VV | 2080   | 28232   | 0.23%  | 0.007% |
| 102 | 8.006 | 7.988 | 8.045 | VV | 1269   | 28484   | 0.23%  | 0.007% |
| 103 | 8.069 | 8.045 | 8.089 | VV | 1561   | 23729   | 0.19%  | 0.006% |
| 104 | 8.122 | 8.089 | 8.157 | VV | 3469   | 73301   | 0.60%  | 0.017% |
| 105 | 8.194 | 8.157 | 8.210 | VV | 5200   | 90528   | 0.74%  | 0.021% |
| 106 | 8.225 | 8.210 | 8.244 | VV | 4295   | 63232   | 0.52%  | 0.015% |
| 107 | 8.265 | 8.244 | 8.287 | VV | 4958   | 82412   | 0.67%  | 0.019% |
| 108 | 8.310 | 8.287 | 8.343 | VV | 18354  | 251794  | 2.05%  | 0.058% |
| 109 | 8.364 | 8.343 | 8.403 | VV | 5975   | 90306   | 0.74%  | 0.021% |
| 110 | 8.427 | 8.403 | 8.441 | VV | 1981   | 28078   | 0.23%  | 0.007% |
| 111 | 8.455 | 8.441 | 8.465 | VV | 2136   | 25384   | 0.21%  | 0.006% |
| 112 | 8.477 | 8.465 | 8.502 | VV | 2130   | 34547   | 0.28%  | 0.008% |
| 113 | 8.528 | 8.502 | 8.545 | VV | 3313   | 56750   | 0.46%  | 0.013% |
| 114 | 8.560 | 8.545 | 8.570 | VV | 2831   | 36731   | 0.30%  | 0.009% |
| 115 | 8.596 | 8.570 | 8.648 | VV | 40085  | 550236  | 4.49%  | 0.128% |
| 116 | 8.677 | 8.648 | 8.696 | VV | 3890   | 69726   | 0.57%  | 0.016% |
| 117 | 8.710 | 8.696 | 8.716 | VV | 2068   | 21263   | 0.17%  | 0.005% |
| 118 | 8.725 | 8.716 | 8.755 | VV | 1974   | 28621   | 0.23%  | 0.007% |
| 119 | 8.781 | 8.755 | 8.795 | VV | 1691   | 25588   | 0.21%  | 0.006% |
| 120 | 8.829 | 8.795 | 8.841 | VV | 1899   | 41621   | 0.34%  | 0.010% |
| 121 | 8.867 | 8.841 | 8.881 | VV | 2385   | 45729   | 0.37%  | 0.011% |
| 122 | 8.893 | 8.881 | 8.915 | VV | 2615   | 37055   | 0.30%  | 0.009% |
| 123 | 8.963 | 8.915 | 8.999 | VV | 7974   | 212999  | 1.74%  | 0.049% |
| 124 | 9.015 | 8.999 | 9.028 | VV | 3925   | 57706   | 0.47%  | 0.013% |
| 125 | 9.048 | 9.028 | 9.078 | VV | 6031   | 116079  | 0.95%  | 0.027% |
| 126 | 9.098 | 9.078 | 9.114 | VV | 7348   | 99920   | 0.82%  | 0.023% |
| 127 | 9.126 | 9.114 | 9.135 | VV | 4403   | 49695   | 0.41%  | 0.012% |
| 128 | 9.149 | 9.135 | 9.181 | VV | 6052   | 88841   | 0.72%  | 0.021% |
| 129 | 9.201 | 9.181 | 9.235 | VV | 1344   | 24126   | 0.20%  | 0.006% |
| 130 | 9.320 | 9.235 | 9.340 | PV | 5394   | 125952  | 1.03%  | 0.029% |
| 131 | 9.372 | 9.340 | 9.424 | VV | 464700 | 5476282 | 44.67% | 1.272% |
| 132 | 9.440 | 9.424 | 9.459 | VV | 4529   | 78716   | 0.64%  | 0.018% |
| 133 | 9.471 | 9.459 | 9.509 | VV | 3180   | 70050   | 0.57%  | 0.016% |
| 134 | 9.518 | 9.509 | 9.535 | VV | 1623   | 20397   | 0.17%  | 0.005% |
| 135 | 9.545 | 9.535 | 9.560 | VV | 974    | 11845   | 0.10%  | 0.003% |
| 136 | 9.583 | 9.560 | 9.617 | VV | 2457   | 51254   | 0.42%  | 0.012% |
| 137 | 9.642 | 9.617 | 9.676 | VV | 2169   | 45391   | 0.37%  | 0.011% |
| 138 | 9.753 | 9.676 | 9.785 | VV | 22192  | 503112  | 4.10%  | 0.117% |
| 139 | 9.805 | 9.785 | 9.824 | VV | 5457   | 87319   | 0.71%  | 0.020% |
| 140 | 9.846 | 9.824 | 9.871 | VV | 5848   | 102525  | 0.84%  | 0.024% |
| 141 | 9.896 | 9.871 | 9.922 | VV | 6020   | 93850   | 0.77%  | 0.022% |

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Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/30/2022

Supervised By :mohammad ahmed 04/01/2022

|     |        |        |        |    | retention |         |        |        |
|-----|--------|--------|--------|----|-----------|---------|--------|--------|
| 142 | 9.930  | 9.922  | 9.962  | VV | 664       | 9040    | 0.07%  | 0.002% |
| 143 | 10.035 | 9.962  | 10.054 | PV | 2777      | 67648   |        |        |
| 144 | 10.104 | 10.054 | 10.139 | VV | 50625     | 702587  |        |        |
| 145 | 10.173 | 10.139 | 10.205 | VV | 34286     | 555945  |        |        |
| 146 | 10.218 | 10.205 | 10.251 | VV | 4207      | 68505   |        |        |
| 147 | 10.277 | 10.251 | 10.303 | VV | 2372      | 52969   |        |        |
| 148 | 10.316 | 10.303 | 10.340 | VV | 2291      | 31555   | 0.26%  | 0.007% |
| 149 | 10.360 | 10.340 | 10.394 | VV | 2053      | 31103   | 0.25%  | 0.007% |
| 150 | 10.427 | 10.394 | 10.460 | VV | 6220      | 146238  | 1.19%  | 0.034% |
| 151 | 10.483 | 10.460 | 10.534 | VV | 8927      | 208765  | 1.70%  | 0.048% |
| 152 | 10.557 | 10.534 | 10.587 | VV | 5959      | 93966   | 0.77%  | 0.022% |
| 153 | 10.608 | 10.587 | 10.638 | VV | 4723      | 70998   | 0.58%  | 0.016% |
| 154 | 10.655 | 10.638 | 10.685 | VV | 1354      | 21110   | 0.17%  | 0.005% |
| 155 | 10.744 | 10.685 | 10.770 | PV | 2716      | 74353   | 0.61%  | 0.017% |
| 156 | 10.806 | 10.770 | 10.860 | VV | 471769    | 5704737 | 46.53% | 1.325% |
| 157 | 10.891 | 10.860 | 10.945 | VV | 24178     | 415277  | 3.39%  | 0.096% |
| 158 | 10.960 | 10.945 | 10.978 | VV | 1208      | 14621   | 0.12%  | 0.003% |
| 159 | 10.999 | 10.978 | 11.027 | VV | 830       | 12064   | 0.10%  | 0.003% |
| 160 | 11.070 | 11.027 | 11.077 | VV | 3587      | 53850   | 0.44%  | 0.013% |
| 161 | 11.097 | 11.077 | 11.137 | VV | 5639      | 140398  | 1.15%  | 0.033% |
| 162 | 11.157 | 11.137 | 11.169 | VV | 4176      | 60753   | 0.50%  | 0.014% |
| 163 | 11.190 | 11.169 | 11.214 | VV | 6125      | 99963   | 0.82%  | 0.023% |
| 164 | 11.235 | 11.214 | 11.268 | VV | 5029      | 88049   | 0.72%  | 0.020% |
| 165 | 11.285 | 11.268 | 11.305 | VV | 3931      | 56430   | 0.46%  | 0.013% |
| 166 | 11.368 | 11.305 | 11.385 | VV | 3074      | 83275   | 0.68%  | 0.019% |
| 167 | 11.399 | 11.385 | 11.416 | VV | 2560      | 34141   | 0.28%  | 0.008% |
| 168 | 11.469 | 11.416 | 11.521 | VV | 38593     | 695894  | 5.68%  | 0.162% |
| 169 | 11.548 | 11.521 | 11.566 | VV | 3829      | 90488   | 0.74%  | 0.021% |
| 170 | 11.577 | 11.566 | 11.635 | VV | 3805      | 87126   | 0.71%  | 0.020% |
| 171 | 11.663 | 11.635 | 11.685 | VV | 2899      | 55626   | 0.45%  | 0.013% |
| 172 | 11.696 | 11.685 | 11.715 | VV | 1506      | 20737   | 0.17%  | 0.005% |
| 173 | 11.743 | 11.715 | 11.795 | VV | 6745      | 187422  | 1.53%  | 0.044% |
| 174 | 11.811 | 11.795 | 11.826 | VV | 4065      | 60325   | 0.49%  | 0.014% |
| 175 | 11.845 | 11.826 | 11.867 | VV | 6142      | 116764  | 0.95%  | 0.027% |
| 176 | 11.879 | 11.867 | 11.905 | VV | 5119      | 89307   | 0.73%  | 0.021% |
| 177 | 11.930 | 11.905 | 11.955 | VV | 5369      | 107808  | 0.88%  | 0.025% |
| 178 | 11.976 | 11.955 | 12.009 | VV | 4274      | 116024  | 0.95%  | 0.027% |
| 179 | 12.028 | 12.009 | 12.065 | VV | 5140      | 134300  | 1.10%  | 0.031% |
| 180 | 12.109 | 12.065 | 12.149 | VV | 433782    | 5498925 | 44.85% | 1.277% |
| 181 | 12.170 | 12.149 | 12.205 | VV | 7912      | 215293  | 1.76%  | 0.050% |
| 182 | 12.219 | 12.205 | 12.229 | VV | 5015      | 67384   | 0.55%  | 0.016% |
| 183 | 12.250 | 12.229 | 12.274 | VV | 5814      | 122905  | 1.00%  | 0.029% |
| 184 | 12.292 | 12.274 | 12.303 | VV | 3653      | 60629   | 0.49%  | 0.014% |
| 185 | 12.322 | 12.303 | 12.337 | VV | 4659      | 79467   | 0.65%  | 0.018% |
| 186 | 12.366 | 12.337 | 12.411 | VV | 8838      | 330702  | 2.70%  | 0.077% |
| 187 | 12.426 | 12.411 | 12.445 | VV | 8222      | 143004  | 1.17%  | 0.033% |
| 188 | 12.468 | 12.445 | 12.483 | VV | 8547      | 165413  | 1.35%  | 0.038% |
| 189 | 12.502 | 12.483 | 12.513 | VV | 9951      | 153181  | 1.25%  | 0.036% |
| 190 | 12.546 | 12.513 | 12.578 | VV | 413125    | 5329140 | 43.47% | 1.238% |
| 191 | 12.598 | 12.578 | 12.626 | VV | 14330     | 353204  | 2.88%  | 0.082% |
| 192 | 12.645 | 12.626 | 12.672 | VV | 10044     | 261322  | 2.13%  | 0.061% |
| 193 | 12.719 | 12.672 | 12.760 | VV | 422201    | 5685541 | 46.38% | 1.320% |
| 194 | 12.780 | 12.760 | 12.857 | VV | 16159     | 700068  | 5.71%  | 0.163% |

Instrument :

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ClientSampleId :

CW-1MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/30/2022

Supervised By :mohammad ahmed 04/01/2022

|     |        |        |        |    |        |         |        |        |
|-----|--------|--------|--------|----|--------|---------|--------|--------|
| 195 | 12.868 | 12.857 | 12.905 | VV | 10767  | 284450  | 2.32%  | 0.066% |
| 196 | 12.947 | 12.905 | 12.968 | VV | 20821  | 583479  |        |        |
| 197 | 12.989 | 12.968 | 13.008 | VV | 17865  | 394869  |        |        |
| 198 | 13.022 | 13.008 | 13.041 | VV | 17038  | 301457  |        |        |
| 199 | 13.064 | 13.041 | 13.079 | VV | 16786  | 333984  |        |        |
| 200 | 13.094 | 13.079 | 13.104 | VV | 16550  | 228894  |        |        |
| 201 | 13.144 | 13.104 | 13.165 | VV | 20963  | 662626  | 5.40%  | 0.154% |
| 202 | 13.203 | 13.165 | 13.258 | VV | 20894  | 1052536 | 8.59%  | 0.244% |
| 203 | 13.302 | 13.258 | 13.334 | VV | 403634 | 5880021 | 47.96% | 1.365% |
| 204 | 13.353 | 13.334 | 13.368 | VV | 25984  | 498242  | 4.06%  | 0.116% |
| 205 | 13.379 | 13.368 | 13.405 | VV | 24569  | 501495  | 4.09%  | 0.116% |
| 206 | 13.423 | 13.405 | 13.458 | VV | 21123  | 649543  | 5.30%  | 0.151% |
| 207 | 13.525 | 13.458 | 13.577 | VV | 36762  | 1921640 | 15.67% | 0.446% |
| 208 | 13.593 | 13.577 | 13.618 | VV | 28539  | 659169  | 5.38%  | 0.153% |
| 209 | 13.681 | 13.618 | 13.690 | VV | 29906  | 1152134 | 9.40%  | 0.268% |
| 210 | 13.710 | 13.690 | 13.743 | VV | 34903  | 1009008 | 8.23%  | 0.234% |
| 211 | 13.764 | 13.743 | 13.810 | VV | 35633  | 1237758 | 10.10% | 0.287% |
| 212 | 13.860 | 13.810 | 13.892 | VV | 49223  | 1709951 | 13.95% | 0.397% |
| 213 | 13.921 | 13.892 | 13.960 | VV | 41644  | 1500749 | 12.24% | 0.349% |
| 214 | 13.978 | 13.960 | 14.018 | VV | 37446  | 1189864 | 9.71%  | 0.276% |
| 215 | 14.068 | 14.018 | 14.118 | VV | 46696  | 2361889 | 19.27% | 0.548% |
| 216 | 14.136 | 14.118 | 14.155 | VV | 42141  | 886882  | 7.23%  | 0.206% |
| 217 | 14.178 | 14.155 | 14.200 | VV | 37924  | 1007379 | 8.22%  | 0.234% |
| 218 | 14.260 | 14.200 | 14.285 | VV | 47092  | 2145573 | 17.50% | 0.498% |
| 219 | 14.303 | 14.285 | 14.351 | VV | 46037  | 1749575 | 14.27% | 0.406% |
| 220 | 14.400 | 14.351 | 14.431 | VV | 401760 | 6926786 | 56.50% | 1.609% |
| 221 | 14.452 | 14.431 | 14.515 | VV | 58158  | 2564727 | 20.92% | 0.596% |
| 222 | 14.530 | 14.515 | 14.563 | VV | 48536  | 1343953 | 10.96% | 0.312% |
| 223 | 14.590 | 14.563 | 14.614 | VV | 61028  | 1636600 | 13.35% | 0.380% |
| 224 | 14.644 | 14.614 | 14.655 | VV | 58191  | 1390977 | 11.35% | 0.323% |
| 225 | 14.665 | 14.655 | 14.714 | VV | 56476  | 1920846 | 15.67% | 0.446% |
| 226 | 14.730 | 14.714 | 14.741 | VV | 54980  | 844560  | 6.89%  | 0.196% |
| 227 | 14.778 | 14.741 | 14.796 | VV | 64530  | 1922585 | 15.68% | 0.446% |
| 228 | 14.816 | 14.796 | 14.868 | VV | 67134  | 2630790 | 21.46% | 0.611% |
| 229 | 14.914 | 14.868 | 14.938 | VV | 75824  | 2733520 | 22.30% | 0.635% |
| 230 | 14.959 | 14.938 | 15.045 | VV | 78493  | 4213325 | 34.37% | 0.978% |
| 231 | 15.056 | 15.045 | 15.068 | VV | 57902  | 793057  | 6.47%  | 0.184% |
| 232 | 15.097 | 15.068 | 15.201 | VV | 73221  | 5371359 | 43.81% | 1.247% |
| 233 | 15.224 | 15.201 | 15.272 | VV | 76238  | 3056088 | 24.93% | 0.710% |
| 234 | 15.294 | 15.272 | 15.313 | VV | 76391  | 1771554 | 14.45% | 0.411% |
| 235 | 15.337 | 15.313 | 15.367 | VV | 75522  | 2335158 | 19.05% | 0.542% |
| 236 | 15.417 | 15.367 | 15.445 | VV | 429456 | 7909543 | 64.52% | 1.837% |
| 237 | 15.453 | 15.445 | 15.502 | VV | 89046  | 2690553 | 21.95% | 0.625% |
| 238 | 15.512 | 15.502 | 15.522 | VV | 72118  | 840834  | 6.86%  | 0.195% |
| 239 | 15.537 | 15.522 | 15.551 | VV | 72570  | 1253573 | 10.23% | 0.291% |
| 240 | 15.583 | 15.551 | 15.608 | VV | 85873  | 2704228 | 22.06% | 0.628% |
| 241 | 15.649 | 15.608 | 15.677 | VV | 84507  | 3307254 | 26.98% | 0.768% |
| 242 | 15.729 | 15.677 | 15.807 | VV | 91499  | 6618601 | 53.99% | 1.537% |
| 243 | 15.825 | 15.807 | 15.846 | VV | 84341  | 1869036 | 15.25% | 0.434% |
| 244 | 15.854 | 15.846 | 15.871 | VV | 81085  | 1220213 | 9.95%  | 0.283% |
| 245 | 15.893 | 15.871 | 15.915 | VV | 93711  | 2209633 | 18.02% | 0.513% |
| 246 | 15.931 | 15.915 | 15.984 | VV | 91545  | 3511079 | 28.64% | 0.815% |

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CW-1MS

Manual IntegrationsAPPROVED

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Supervised By :mohammad ahmed 04/01/2022

| rteres |        |        |        |    |        |          |         |        |  |
|--------|--------|--------|--------|----|--------|----------|---------|--------|--|
| 247    | 15.997 | 15.984 | 16.023 | VV | 82566  | 1890722  | 15.42%  | 0.439% |  |
| 248    | 16.056 | 16.023 | 16.087 | VV | 96404  | 3350596  | 27.19%  | 0.319% |  |
| 249    | 16.118 | 16.087 | 16.147 | VV | 96252  | 3259987  | 26.00%  | 0.319% |  |
| 250    | 16.211 | 16.147 | 16.278 | VV | 96770  | 7065715  | 57.19%  | 0.319% |  |
| 251    | 16.288 | 16.278 | 16.308 | VV | 87539  | 1538513  | 12.44%  | 1.835% |  |
| 252    | 16.364 | 16.308 | 16.445 | VV | 402629 | 11869377 | 96.44%  | 0.319% |  |
| 253    | 16.516 | 16.445 | 16.581 | VV | 108045 | 7900461  | 64.44%  | 1.835% |  |
| 254    | 16.595 | 16.581 | 16.606 | VV | 95814  | 1372102  | 11.19%  | 0.319% |  |
| 255    | 16.626 | 16.606 | 16.636 | VV | 97295  | 1716590  | 14.00%  | 0.399% |  |
| 256    | 16.706 | 16.636 | 16.755 | VV | 106978 | 6829715  | 55.71%  | 1.586% |  |
| 257    | 16.810 | 16.755 | 16.835 | VV | 107014 | 4708806  | 38.41%  | 1.093% |  |
| 258    | 16.851 | 16.835 | 16.880 | VV | 103304 | 2658943  | 21.69%  | 0.617% |  |
| 259    | 16.940 | 16.880 | 17.001 | VV | 114787 | 7360323  | 60.04%  | 1.709% |  |
| 260    | 17.016 | 17.001 | 17.025 | VV | 95850  | 1379666  | 11.25%  | 0.320% |  |
| 261    | 17.045 | 17.025 | 17.064 | VV | 102381 | 2287893  | 18.66%  | 0.531% |  |
| 262    | 17.100 | 17.064 | 17.145 | VV | 103957 | 4792438  | 39.09%  | 1.113% |  |
| 263    | 17.172 | 17.145 | 17.213 | VV | 116132 | 4443507  | 36.24%  | 1.032% |  |
| 264    | 17.248 | 17.213 | 17.286 | VV | 395145 | 8650233  | 70.56%  | 2.009% |  |
| 265    | 17.328 | 17.286 | 17.346 | VV | 124090 | 3918050  | 31.96%  | 0.910% |  |
| 266    | 17.375 | 17.346 | 17.422 | VV | 119828 | 5033292  | 41.06%  | 1.169% |  |
| 267    | 17.438 | 17.422 | 17.472 | VV | 99397  | 2900668  | 23.66%  | 0.674% |  |
| 268    | 17.530 | 17.472 | 17.587 | VV | 113200 | 7082529  | 57.77%  | 1.645% |  |
| 269    | 17.607 | 17.587 | 17.642 | VV | 105112 | 3361428  | 27.42%  | 0.781% |  |
| 270    | 17.690 | 17.642 | 17.728 | VV | 122650 | 5645567  | 46.05%  | 1.311% |  |
| 271    | 17.734 | 17.728 | 17.762 | VV | 98990  | 1918948  | 15.65%  | 0.446% |  |
| 272    | 17.795 | 17.762 | 17.818 | VV | 104747 | 3341041  | 27.25%  | 0.776% |  |
| 273    | 17.823 | 17.818 | 17.843 | VV | 99286  | 1407705  | 11.48%  | 0.327% |  |
| 274    | 17.861 | 17.843 | 17.875 | VV | 98322  | 1820588  | 14.85%  | 0.423% |  |
| 275    | 17.882 | 17.875 | 17.911 | VV | 95893  | 2015258  | 16.44%  | 0.468% |  |
| 276    | 17.942 | 17.911 | 18.004 | VV | 108073 | 5506137  | 44.91%  | 1.279% |  |
| 277    | 18.015 | 18.004 | 18.026 | VV | 91941  | 1180063  | 9.63%   | 0.274% |  |
| 278    | 18.075 | 18.026 | 18.108 | VV | 379321 | 8860721  | 72.28%  | 2.058% |  |
| 279    | 18.114 | 18.108 | 18.142 | VV | 107197 | 2019714  | 16.47%  | 0.469% |  |
| 280    | 18.163 | 18.142 | 18.178 | VV | 99915  | 2033589  | 16.59%  | 0.472% |  |
| 281    | 18.194 | 18.178 | 18.231 | VV | 101818 | 2967966  | 24.21%  | 0.689% |  |
| 282    | 18.257 | 18.231 | 18.318 | VV | 94664  | 4715826  | 38.47%  | 1.095% |  |
| 283    | 18.330 | 18.318 | 18.368 | VV | 90595  | 2648677  | 21.60%  | 0.615% |  |
| 284    | 18.384 | 18.368 | 18.411 | VV | 85623  | 2200747  | 17.95%  | 0.511% |  |
| 285    | 18.416 | 18.411 | 18.423 | VV | 84553  | 572634   | 4.67%   | 0.133% |  |
| 286    | 18.464 | 18.423 | 18.491 | VV | 104889 | 3862728  | 31.51%  | 0.897% |  |
| 287    | 18.508 | 18.491 | 18.554 | VV | 90080  | 3173876  | 25.89%  | 0.737% |  |
| 288    | 18.588 | 18.554 | 18.608 | VV | 87812  | 2657638  | 21.68%  | 0.617% |  |
| 289    | 18.653 | 18.608 | 18.697 | VV | 91382  | 4571533  | 37.29%  | 1.062% |  |
| 290    | 18.716 | 18.697 | 18.734 | VV | 81600  | 1784996  | 14.56%  | 0.415% |  |
| 291    | 18.743 | 18.734 | 18.771 | VV | 78718  | 1694300  | 13.82%  | 0.393% |  |
| 292    | 18.856 | 18.771 | 18.938 | VV | 363651 | 12259687 | 100.00% | 2.847% |  |
| 293    | 18.958 | 18.938 | 19.000 | VV | 78581  | 2831696  | 23.10%  | 0.658% |  |
| 294    | 19.034 | 19.000 | 19.111 | VV | 79602  | 4996138  | 40.75%  | 1.160% |  |
| 295    | 19.119 | 19.111 | 19.147 | VV | 74979  | 1550826  | 12.65%  | 0.360% |  |
| 296    | 19.155 | 19.147 | 19.164 | VV | 75711  | 752245   | 6.14%   | 0.175% |  |
| 297    | 19.174 | 19.164 | 19.192 | VV | 75384  | 1248627  | 10.18%  | 0.290% |  |
| 298    | 19.230 | 19.192 | 19.249 | VV | 88859  | 2805510  | 22.88%  | 0.652% |  |
| 299    | 19.264 | 19.249 | 19.308 | VV | 82749  | 2593587  | 21.16%  | 0.602% |  |

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|                         |        |        |        |     |        |         |           |        |
|-------------------------|--------|--------|--------|-----|--------|---------|-----------|--------|
| 300                     | 19.333 | 19.308 | 19.375 | VV  | 76768  | 2818459 | 22.99%    | 0.655% |
| 301                     | 19.408 | 19.375 | 19.428 | VV  | 69298  | 2157770 | 17.20%    | 0.490% |
| 302                     | 19.477 | 19.428 | 19.523 | VV  | 72616  | 3905356 | 31.64%    | 1.541% |
| 303                     | 19.593 | 19.523 | 19.664 | VV  | 352077 | 9573022 | 78.13%    | 3.655% |
| 304                     | 19.680 | 19.664 | 19.702 | VV  | 67899  | 1513693 | 12.20%    | 0.524% |
| 305                     | 19.752 | 19.702 | 19.785 | VV  | 71882  | 3315829 | 27.06%    | 1.175% |
| 306                     | 19.814 | 19.785 | 19.846 | VV  | 64362  | 2291553 | 18.69%    | 0.532% |
| 307                     | 19.862 | 19.846 | 19.906 | VV  | 60694  | 2108473 | 17.20%    | 0.490% |
| 308                     | 19.941 | 19.906 | 19.970 | VV  | 67566  | 2418591 | 19.73%    | 0.562% |
| 309                     | 19.985 | 19.970 | 20.005 | VV  | 61825  | 1220940 | 9.96%     | 0.284% |
| 310                     | 20.029 | 20.005 | 20.094 | VV  | 63558  | 3217753 | 26.25%    | 0.747% |
| 311                     | 20.153 | 20.094 | 20.191 | VV  | 65301  | 3562926 | 29.06%    | 0.827% |
| 312                     | 20.198 | 20.191 | 20.207 | VV  | 59947  | 551266  | 4.50%     | 0.128% |
| 313                     | 20.218 | 20.207 | 20.248 | VV  | 60491  | 1427126 | 11.64%    | 0.331% |
| 314                     | 20.288 | 20.248 | 20.334 | VV  | 301895 | 6636010 | 54.13%    | 1.541% |
| 315                     | 20.367 | 20.334 | 20.427 | VV  | 58452  | 3026321 | 24.69%    | 0.703% |
| 316                     | 20.446 | 20.427 | 20.485 | VV  | 54187  | 1790506 | 14.60%    | 0.416% |
| 317                     | 20.493 | 20.485 | 20.568 | VV  | 49336  | 2254959 | 18.39%    | 0.524% |
| 318                     | 20.594 | 20.568 | 20.613 | VV  | 43479  | 1126627 | 9.19%     | 0.262% |
| 319                     | 20.634 | 20.613 | 20.676 | VV  | 51146  | 1703832 | 13.90%    | 0.396% |
| 320                     | 20.708 | 20.676 | 20.714 | VV  | 40625  | 926421  | 7.56%     | 0.215% |
| 321                     | 20.726 | 20.714 | 20.807 | VV  | 42552  | 1952732 | 15.93%    | 0.453% |
| 322                     | 20.828 | 20.807 | 20.851 | VV  | 31585  | 799834  | 6.52%     | 0.186% |
| 323                     | 20.867 | 20.851 | 20.895 | VV  | 30152  | 751756  | 6.13%     | 0.175% |
| 324                     | 20.915 | 20.895 | 20.952 | VV  | 30514  | 992395  | 8.09%     | 0.230% |
| 325                     | 20.963 | 20.952 | 20.977 | VV  | 30576  | 447109  | 3.65%     | 0.104% |
| 326                     | 21.028 | 20.977 | 21.101 | VBA | 209783 | 5794523 | 47.26%    | 1.346% |
| Sum of corrected areas: |        |        |        |     |        |         | 430622486 |        |

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/30/2022

Supervised By :mohammad ahmed 04/01/2022

Aliphatic EPH 032522.M Wed Mar 30 11:23:07 2022