

rters  
Area Percent Report

Instrument :  
FID\_C  
ClientSampleId :  
TP-1AMSD

Manual Integrations  
APPROVED

ugo  
5/16/2018 10:13:29 AM

Data Path : P:\HPCHEM1\FID\_C\Data\FC051118AL\  
Data File : FC033925.D  
Signal(s) : FID1A.CH  
Acq On : 12 May 2018 2:27  
Sample : J2733-01MSD  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Integration File: sample.E

Method : P:\HPCHEM1\FID\_C\Method\Alaphatic EPH 042418.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         | 2.961       | 2.922        | 2.994      | BV       | 873            | 6767         | 0.08%          | 0.003%        |
| 2         | 3.008       | 2.994        | 3.061      | PV       | 2457           | 19976        | 0.22%          | 0.009%        |
| 3         | 3.078       | 3.061        | 3.191      | PV       | 466            | 6052         | 0.07%          | 0.003%        |
| 4         | 3.199       | 3.191        | 3.234      | PV       | 282            | 1725         | 0.02%          | 0.001%        |
| 5         | 3.259       | 3.234        | 3.367      | PV       | 286504         | 2413554      | 27.02%         | 1.042%        |
| 6         | 3.381       | 3.367        | 3.399      | VV       | 384            | 3806         | 0.04%          | 0.002%        |
| 7         | 3.405       | 3.399        | 3.423      | VV       | 241            | 2477         | 0.03%          | 0.001%        |
| 8         | 3.440       | 3.423        | 3.505      | PV       | 434            | 9539         | 0.11%          | 0.004%        |
| 9         | 3.523       | 3.505        | 3.586      | PV       | 559            | 13763        | 0.15%          | 0.006%        |
| 10        | 3.589       | 3.586        | 3.619      | VV       | 293            | 3378         | 0.04%          | 0.001%        |
| 11        | 3.632       | 3.619        | 3.677      | VV       | 615            | 10717        | 0.12%          | 0.005%        |
| 12        | 3.701       | 3.677        | 3.735      | VV       | 416            | 7724         | 0.09%          | 0.003%        |
| 13        | 3.750       | 3.735        | 3.782      | VV       | 713            | 10384        | 0.12%          | 0.004%        |
| 14        | 3.795       | 3.782        | 3.812      | VV       | 584            | 5255         | 0.06%          | 0.002%        |
| 15        | 3.836       | 3.812        | 3.888      | PV       | 443            | 12361        | 0.14%          | 0.005%        |
| 16        | 3.925       | 3.888        | 3.939      | PV       | 814            | 13113        | 0.15%          | 0.006%        |
| 17        | 3.952       | 3.939        | 3.974      | VV       | 537            | 6862         | 0.08%          | 0.003%        |
| 18        | 3.984       | 3.974        | 4.000      | VV       | 307            | 3700         | 0.04%          | 0.002%        |
| 19        | 4.020       | 4.000        | 4.052      | VV       | 2050           | 19029        | 0.21%          | 0.008%        |
| 20        | 4.086       | 4.052        | 4.113      | PV       | 661            | 9901         | 0.11%          | 0.004%        |
| 21        | 4.128       | 4.113        | 4.153      | VV       | 424            | 5623         | 0.06%          | 0.002%        |
| 22        | 4.178       | 4.153        | 4.214      | VV       | 4005           | 38462        | 0.43%          | 0.017%        |
| 23        | 4.250       | 4.214        | 4.289      | VV       | 2938           | 34231        | 0.38%          | 0.015%        |
| 24        | 4.324       | 4.289        | 4.376      | VV       | 360874         | 3305972      | 37.01%         | 1.428%        |
| 25        | 4.435       | 4.376        | 4.454      | PV       | 586            | 14103        | 0.16%          | 0.006%        |
| 26        | 4.480       | 4.454        | 4.502      | VV       | 800            | 12889        | 0.14%          | 0.006%        |
| 27        | 4.520       | 4.502        | 4.534      | VV       | 693            | 8380         | 0.09%          | 0.004%        |
| 28        | 4.542       | 4.534        | 4.558      | VV       | 381            | 4166         | 0.05%          | 0.002%        |
| 29        | 4.576       | 4.558        | 4.592      | VV       | 1130           | 11288        | 0.13%          | 0.005%        |
| 30        | 4.603       | 4.592        | 4.617      | VV       | 324            | 4026         | 0.05%          | 0.002%        |
| 31        | 4.625       | 4.617        | 4.642      | VV       | 525            | 4566         | 0.05%          | 0.002%        |
| 32        | 4.653       | 4.642        | 4.686      | VV       | 326            | 5067         | 0.06%          | 0.002%        |
| 33        | 4.696       | 4.686        | 4.712      | VV       | 373            | 3511         | 0.04%          | 0.002%        |
| 34        | 4.733       | 4.712        | 4.757      | VV       | 611            | 9227         | 0.10%          | 0.004%        |
| 35        | 4.791       | 4.757        | 4.828      | PV       | 729            | 8855         | 0.10%          | 0.004%        |
| 36        | 4.848       | 4.828        | 4.867      | VV       | 364            | 4824         | 0.05%          | 0.002%        |

|    |       |       |       |    | retention |         |        |        |
|----|-------|-------|-------|----|-----------|---------|--------|--------|
| 37 | 4.874 | 4.867 | 4.910 | VV | 271       | 3162    | 0.04%  | 0.001% |
| 38 | 4.960 | 4.910 | 4.984 | PV | 1052      | 18912   | 0.21%  | 0.008% |
| 39 | 5.004 | 4.984 | 5.023 | VV | 2933      | 30797   | 0.34%  | 0.013% |
| 40 | 5.036 | 5.023 | 5.049 | VV | 795       | 8072    | 0.09%  | 0.003% |
| 41 | 5.060 | 5.049 | 5.073 | VV | 862       | 9244    | 0.10%  | 0.004% |
| 42 | 5.082 | 5.073 | 5.102 | VV | 801       | 7281    | 0.08%  | 0.003% |
| 43 | 5.147 | 5.102 | 5.161 | PV | 858       | 14472   | 0.16%  | 0.006% |
| 44 | 5.183 | 5.161 | 5.226 | VV | 960       | 22083   | 0.25%  | 0.010% |
| 45 | 5.242 | 5.226 | 5.250 | VV | 795       | 8638    | 0.10%  | 0.004% |
| 46 | 5.269 | 5.250 | 5.329 | VV | 5538      | 63795   | 0.71%  | 0.028% |
| 47 | 5.355 | 5.329 | 5.372 | VV | 6980      | 71762   | 0.80%  | 0.031% |
| 48 | 5.382 | 5.372 | 5.415 | VV | 2048      | 28877   | 0.32%  | 0.012% |
| 49 | 5.428 | 5.415 | 5.437 | VV | 478       | 4918    | 0.06%  | 0.002% |
| 50 | 5.450 | 5.437 | 5.464 | VV | 472       | 6110    | 0.07%  | 0.003% |
| 51 | 5.498 | 5.464 | 5.507 | VV | 499       | 9660    | 0.11%  | 0.004% |
| 52 | 5.537 | 5.507 | 5.560 | VV | 1892      | 31032   | 0.35%  | 0.013% |
| 53 | 5.569 | 5.560 | 5.584 | VV | 553       | 7091    | 0.08%  | 0.003% |
| 54 | 5.589 | 5.584 | 5.620 | VV | 583       | 10599   | 0.12%  | 0.005% |
| 55 | 5.648 | 5.620 | 5.670 | VV | 1213      | 23491   | 0.26%  | 0.010% |
| 56 | 5.687 | 5.670 | 5.712 | VV | 740       | 12757   | 0.14%  | 0.006% |
| 57 | 5.722 | 5.712 | 5.738 | VV | 647       | 7055    | 0.08%  | 0.003% |
| 58 | 5.754 | 5.738 | 5.789 | VV | 629       | 10932   | 0.12%  | 0.005% |
| 59 | 5.806 | 5.789 | 5.836 | PV | 891       | 11111   | 0.12%  | 0.005% |
| 60 | 5.858 | 5.836 | 5.879 | VV | 776       | 14533   | 0.16%  | 0.006% |
| 61 | 5.897 | 5.879 | 5.932 | VV | 3513      | 46051   | 0.52%  | 0.020% |
| 62 | 5.948 | 5.932 | 5.969 | VV | 817       | 11572   | 0.13%  | 0.005% |
| 63 | 5.995 | 5.969 | 6.024 | VV | 1534      | 25448   | 0.28%  | 0.011% |
| 64 | 6.054 | 6.024 | 6.104 | VV | 2959      | 42909   | 0.48%  | 0.019% |
| 65 | 6.141 | 6.104 | 6.150 | VV | 553       | 10866   | 0.12%  | 0.005% |
| 66 | 6.166 | 6.150 | 6.193 | VV | 864       | 13565   | 0.15%  | 0.006% |
| 67 | 6.222 | 6.193 | 6.238 | VV | 1696      | 23120   | 0.26%  | 0.010% |
| 68 | 6.252 | 6.238 | 6.279 | VV | 917       | 16401   | 0.18%  | 0.007% |
| 69 | 6.334 | 6.279 | 6.408 | VV | 412859    | 4128731 | 46.22% | 1.783% |
| 70 | 6.438 | 6.408 | 6.450 | VV | 531       | 8026    | 0.09%  | 0.003% |
| 71 | 6.480 | 6.450 | 6.502 | VV | 2488      | 33206   | 0.37%  | 0.014% |
| 72 | 6.519 | 6.502 | 6.540 | VV | 836       | 12136   | 0.14%  | 0.005% |
| 73 | 6.557 | 6.540 | 6.584 | VV | 167       | 3178    | 0.04%  | 0.001% |
| 74 | 6.602 | 6.584 | 6.627 | VV | 397       | 5688    | 0.06%  | 0.002% |
| 75 | 6.651 | 6.627 | 6.676 | VV | 792       | 12584   | 0.14%  | 0.005% |
| 76 | 6.688 | 6.676 | 6.703 | VV | 500       | 6133    | 0.07%  | 0.003% |
| 77 | 6.718 | 6.703 | 6.744 | VV | 558       | 9104    | 0.10%  | 0.004% |
| 78 | 6.781 | 6.744 | 6.811 | PV | 602       | 14337   | 0.16%  | 0.006% |
| 79 | 6.826 | 6.811 | 6.839 | VV | 978       | 11310   | 0.13%  | 0.005% |
| 80 | 6.847 | 6.839 | 6.871 | VV | 874       | 11894   | 0.13%  | 0.005% |
| 81 | 6.887 | 6.871 | 6.912 | VV | 978       | 14594   | 0.16%  | 0.006% |
| 82 | 6.943 | 6.912 | 6.966 | VV | 1317      | 25308   | 0.28%  | 0.011% |
| 83 | 6.987 | 6.966 | 7.006 | VV | 747       | 11870   | 0.13%  | 0.005% |
| 84 | 7.030 | 7.006 | 7.065 | VV | 3086      | 43308   | 0.48%  | 0.019% |
| 85 | 7.082 | 7.065 | 7.100 | VV | 775       | 10236   | 0.11%  | 0.004% |
| 86 | 7.127 | 7.100 | 7.141 | VV | 748       | 13748   | 0.15%  | 0.006% |
| 87 | 7.151 | 7.141 | 7.178 | VV | 648       | 10125   | 0.11%  | 0.004% |
| 88 | 7.204 | 7.178 | 7.225 | VV | 880       | 16908   | 0.19%  | 0.007% |
| 89 | 7.250 | 7.225 | 7.287 | VV | 8233      | 93329   | 1.04%  | 0.040% |

Instrument :  
FID\_C  
ClientSampleId :  
TP-1AMSD

Manual Integrations  
APPROVED

ugo  
5/16/2018 10:13:29 AM

Instrument :  
FID\_C  
ClientSampleId :  
TP-1AMSD

Manual Integrations  
APPROVED

ugo  
5/16/2018 10:13:29 AM

| rteres |       |       |       |    |        |         |        |        |
|--------|-------|-------|-------|----|--------|---------|--------|--------|
| 90     | 7.317 | 7.287 | 7.355 | VV | 701    | 16022   | 0.18%  | 0.007% |
| 91     | 7.391 | 7.355 | 7.402 | VV | 884    | 16304   | 0.18%  | 0.007% |
| 92     | 7.421 | 7.402 | 7.449 | VV | 1125   | 19928   | 0.22%  | 0.009% |
| 93     | 7.468 | 7.449 | 7.489 | VV | 733    | 8138    | 0.09%  | 0.004% |
| 94     | 7.535 | 7.489 | 7.557 | PV | 854    | 20512   | 0.23%  | 0.009% |
| 95     | 7.583 | 7.557 | 7.597 | VV | 1137   | 20801   | 0.23%  | 0.009% |
| 96     | 7.610 | 7.597 | 7.636 | VV | 1214   | 24393   | 0.27%  | 0.011% |
| 97     | 7.671 | 7.636 | 7.712 | VV | 1877   | 55056   | 0.62%  | 0.024% |
| 98     | 7.725 | 7.712 | 7.746 | VV | 1210   | 14689   | 0.16%  | 0.006% |
| 99     | 7.770 | 7.746 | 7.792 | VV | 734    | 11835   | 0.13%  | 0.005% |
| 100    | 7.813 | 7.792 | 7.837 | VV | 2878   | 38171   | 0.43%  | 0.016% |
| 101    | 7.868 | 7.837 | 7.895 | VV | 3323   | 48737   | 0.55%  | 0.021% |
| 102    | 7.938 | 7.895 | 7.961 | PV | 3305   | 45477   | 0.51%  | 0.020% |
| 103    | 7.990 | 7.961 | 8.009 | VV | 1248   | 25191   | 0.28%  | 0.011% |
| 104    | 8.025 | 8.009 | 8.047 | VV | 1321   | 21120   | 0.24%  | 0.009% |
| 105    | 8.064 | 8.047 | 8.076 | VV | 897    | 13455   | 0.15%  | 0.006% |
| 106    | 8.117 | 8.076 | 8.149 | VV | 450155 | 4598088 | 51.48% | 1.986% |
| 107    | 8.165 | 8.149 | 8.189 | VV | 1046   | 16067   | 0.18%  | 0.007% |
| 108    | 8.214 | 8.189 | 8.229 | VV | 722    | 13544   | 0.15%  | 0.006% |
| 109    | 8.271 | 8.229 | 8.291 | VV | 2138   | 40362   | 0.45%  | 0.017% |
| 110    | 8.304 | 8.291 | 8.335 | VV | 665    | 11789   | 0.13%  | 0.005% |
| 111    | 8.361 | 8.335 | 8.386 | VV | 499    | 9926    | 0.11%  | 0.004% |
| 112    | 8.409 | 8.386 | 8.426 | VV | 430    | 7943    | 0.09%  | 0.003% |
| 113    | 8.470 | 8.426 | 8.511 | PV | 849    | 28819   | 0.32%  | 0.012% |
| 114    | 8.530 | 8.511 | 8.545 | VV | 887    | 13864   | 0.16%  | 0.006% |
| 115    | 8.564 | 8.545 | 8.589 | VV | 2015   | 26784   | 0.30%  | 0.012% |
| 116    | 8.604 | 8.589 | 8.617 | VV | 1257   | 16340   | 0.18%  | 0.007% |
| 117    | 8.649 | 8.617 | 8.678 | VV | 6487   | 94437   | 1.06%  | 0.041% |
| 118    | 8.699 | 8.678 | 8.714 | VV | 1248   | 15996   | 0.18%  | 0.007% |
| 119    | 8.726 | 8.714 | 8.750 | VV | 1194   | 14303   | 0.16%  | 0.006% |
| 120    | 8.795 | 8.750 | 8.812 | VV | 1141   | 22582   | 0.25%  | 0.010% |
| 121    | 8.829 | 8.812 | 8.862 | VV | 1219   | 28355   | 0.32%  | 0.012% |
| 122    | 8.869 | 8.862 | 8.887 | VV | 858    | 12190   | 0.14%  | 0.005% |
| 123    | 8.932 | 8.887 | 8.997 | VV | 13503  | 192020  | 2.15%  | 0.083% |
| 124    | 9.018 | 8.997 | 9.039 | VV | 1210   | 18336   | 0.21%  | 0.008% |
| 125    | 9.062 | 9.039 | 9.091 | VV | 769    | 16806   | 0.19%  | 0.007% |
| 126    | 9.117 | 9.091 | 9.153 | VV | 2387   | 46072   | 0.52%  | 0.020% |
| 127    | 9.168 | 9.153 | 9.183 | VV | 677    | 10206   | 0.11%  | 0.004% |
| 128    | 9.191 | 9.183 | 9.206 | VV | 578    | 5211    | 0.06%  | 0.002% |
| 129    | 9.231 | 9.206 | 9.258 | VV | 844    | 15071   | 0.17%  | 0.007% |
| 130    | 9.306 | 9.258 | 9.335 | VV | 3336   | 67484   | 0.76%  | 0.029% |
| 131    | 9.350 | 9.335 | 9.361 | VV | 1000   | 14304   | 0.16%  | 0.006% |
| 132    | 9.385 | 9.361 | 9.410 | VV | 2050   | 38219   | 0.43%  | 0.017% |
| 133    | 9.435 | 9.410 | 9.451 | VV | 2408   | 33219   | 0.37%  | 0.014% |
| 134    | 9.466 | 9.451 | 9.476 | VV | 1791   | 22814   | 0.26%  | 0.010% |
| 135    | 9.487 | 9.476 | 9.512 | VV | 2441   | 28743   | 0.32%  | 0.012% |
| 136    | 9.539 | 9.512 | 9.555 | VV | 416    | 7399    | 0.08%  | 0.003% |
| 137    | 9.574 | 9.555 | 9.597 | VV | 312    | 5939    | 0.07%  | 0.003% |
| 138    | 9.624 | 9.597 | 9.639 | PV | 979    | 14271   | 0.16%  | 0.006% |
| 139    | 9.663 | 9.639 | 9.677 | VV | 1668   | 26802   | 0.30%  | 0.012% |
| 140    | 9.709 | 9.677 | 9.754 | VV | 439595 | 4972137 | 55.67% | 2.147% |
| 141    | 9.782 | 9.754 | 9.792 | VV | 1015   | 19474   | 0.22%  | 0.008% |

| rteres |        |        |        |    |        |         |        |        |  |
|--------|--------|--------|--------|----|--------|---------|--------|--------|--|
| 142    | 9.806  | 9.792  | 9.856  | VV | 1105   | 25769   | 0.29%  | 0.011% |  |
| 143    | 9.880  | 9.856  | 9.896  | VV | 395    | 7665    | 0.09%  | 0.003% |  |
| 144    | 9.915  | 9.896  | 9.926  | VV | 621    | 8524    | 0.10%  | 0.004% |  |
| 145    | 9.937  | 9.926  | 9.959  | VV | 575    | 7697    | 0.09%  | 0.003% |  |
| 146    | 9.983  | 9.959  | 10.007 | PV | 432    | 8108    | 0.09%  | 0.004% |  |
| 147    | 10.051 | 10.007 | 10.063 | VV | 1760   | 25670   | 0.29%  | 0.011% |  |
| 148    | 10.092 | 10.063 | 10.121 | VV | 8623   | 141945  | 1.59%  | 0.061% |  |
| 149    | 10.142 | 10.121 | 10.166 | VV | 1873   | 38364   | 0.43%  | 0.017% |  |
| 150    | 10.181 | 10.166 | 10.209 | VV | 2245   | 35492   | 0.40%  | 0.015% |  |
| 151    | 10.236 | 10.209 | 10.261 | VV | 3068   | 42751   | 0.48%  | 0.018% |  |
| 152    | 10.282 | 10.261 | 10.299 | VV | 701    | 8360    | 0.09%  | 0.004% |  |
| 153    | 10.334 | 10.299 | 10.349 | VV | 939    | 20150   | 0.23%  | 0.009% |  |
| 154    | 10.369 | 10.349 | 10.392 | VV | 1818   | 33506   | 0.38%  | 0.014% |  |
| 155    | 10.440 | 10.392 | 10.479 | VV | 18415  | 264504  | 2.96%  | 0.114% |  |
| 156    | 10.513 | 10.479 | 10.542 | VV | 13883  | 214633  | 2.40%  | 0.093% |  |
| 157    | 10.562 | 10.542 | 10.590 | VV | 3348   | 50039   | 0.56%  | 0.022% |  |
| 158    | 10.664 | 10.590 | 10.739 | VV | 1964   | 94419   | 1.06%  | 0.041% |  |
| 159    | 10.761 | 10.739 | 10.786 | VV | 2646   | 50952   | 0.57%  | 0.022% |  |
| 160    | 10.829 | 10.786 | 10.876 | VV | 3570   | 114118  | 1.28%  | 0.049% |  |
| 161    | 10.893 | 10.876 | 10.929 | VV | 2600   | 45511   | 0.51%  | 0.020% |  |
| 162    | 10.946 | 10.929 | 10.981 | VV | 2308   | 40002   | 0.45%  | 0.017% |  |
| 163    | 11.002 | 10.981 | 11.042 | VV | 970    | 25994   | 0.29%  | 0.011% |  |
| 164    | 11.069 | 11.042 | 11.096 | VV | 1903   | 40931   | 0.46%  | 0.018% |  |
| 165    | 11.142 | 11.096 | 11.177 | VV | 422997 | 4987805 | 55.84% | 2.154% |  |
| 166    | 11.193 | 11.177 | 11.200 | VV | 985    | 12959   | 0.15%  | 0.006% |  |
| 167    | 11.230 | 11.200 | 11.264 | VV | 9657   | 155841  | 1.74%  | 0.067% |  |
| 168    | 11.274 | 11.264 | 11.315 | VV | 619    | 13922   | 0.16%  | 0.006% |  |
| 169    | 11.337 | 11.315 | 11.352 | VV | 385    | 6219    | 0.07%  | 0.003% |  |
| 170    | 11.432 | 11.352 | 11.476 | VV | 2570   | 90350   | 1.01%  | 0.039% |  |
| 171    | 11.496 | 11.476 | 11.511 | VV | 1260   | 18669   | 0.21%  | 0.008% |  |
| 172    | 11.532 | 11.511 | 11.557 | VV | 2850   | 52502   | 0.59%  | 0.023% |  |
| 173    | 11.572 | 11.557 | 11.604 | VV | 1935   | 35568   | 0.40%  | 0.015% |  |
| 174    | 11.627 | 11.604 | 11.669 | VV | 2006   | 44012   | 0.49%  | 0.019% |  |
| 175    | 11.699 | 11.669 | 11.722 | VV | 1485   | 33331   | 0.37%  | 0.014% |  |
| 176    | 11.745 | 11.722 | 11.756 | VV | 2116   | 28463   | 0.32%  | 0.012% |  |
| 177    | 11.805 | 11.756 | 11.832 | VV | 13361  | 240354  | 2.69%  | 0.104% |  |
| 178    | 11.851 | 11.832 | 11.872 | VV | 2811   | 43045   | 0.48%  | 0.019% |  |
| 179    | 11.930 | 11.872 | 11.976 | VV | 1872   | 84365   | 0.94%  | 0.036% |  |
| 180    | 12.036 | 11.976 | 12.057 | VV | 4715   | 91271   | 1.02%  | 0.039% |  |
| 181    | 12.078 | 12.057 | 12.126 | VV | 3288   | 81163   | 0.91%  | 0.035% |  |
| 182    | 12.191 | 12.126 | 12.202 | VV | 2207   | 70806   | 0.79%  | 0.031% |  |
| 183    | 12.216 | 12.202 | 12.235 | VV | 2903   | 40691   | 0.46%  | 0.018% |  |
| 184    | 12.260 | 12.235 | 12.288 | VV | 4940   | 85480   | 0.96%  | 0.037% |  |
| 185    | 12.304 | 12.288 | 12.342 | VV | 1461   | 34112   | 0.38%  | 0.015% |  |
| 186    | 12.372 | 12.342 | 12.401 | VV | 2403   | 53384   | 0.60%  | 0.023% |  |
| 187    | 12.445 | 12.401 | 12.522 | VV | 406093 | 4921507 | 55.10% | 2.125% |  |
| 188    | 12.551 | 12.522 | 12.575 | VV | 1666   | 38601   | 0.43%  | 0.017% |  |
| 189    | 12.586 | 12.575 | 12.601 | VV | 1211   | 14732   | 0.16%  | 0.006% |  |
| 190    | 12.607 | 12.601 | 12.641 | VV | 637    | 9884    | 0.11%  | 0.004% |  |
| 191    | 12.651 | 12.641 | 12.674 | PV | 429    | 5324    | 0.06%  | 0.002% |  |
| 192    | 12.703 | 12.674 | 12.745 | VV | 1486   | 38018   | 0.43%  | 0.016% |  |
| 193    | 12.764 | 12.745 | 12.784 | VV | 1077   | 16152   | 0.18%  | 0.007% |  |
| 194    | 12.802 | 12.784 | 12.817 | VV | 1271   | 18046   | 0.20%  | 0.008% |  |

Instrument :  
FID\_C  
ClientSampleId :  
TP-1AMSD

Manual Integrations  
APPROVED

ugo  
5/16/2018 10:13:29 AM

| rteres |        |        |        |    |        |         |        |        |
|--------|--------|--------|--------|----|--------|---------|--------|--------|
| 195    | 12.834 | 12.817 | 12.846 | VV | 1866   | 22780   | 0.26%  | 0.010% |
| 196    | 12.884 | 12.846 | 12.917 | VV | 170157 | 2094774 | 23.45% | 0.905% |
| 197    | 12.935 | 12.917 | 12.962 | VV | 1710   | 35338   | 0.40%  | 0.015% |
| 198    | 12.987 | 12.962 | 13.012 | VV | 1488   | 32748   | 0.37%  | 0.014% |
| 199    | 13.054 | 13.012 | 13.109 | VV | 388020 | 4892652 | 54.78% | 2.113% |
| 200    | 13.125 | 13.109 | 13.178 | VV | 1117   | 27680   | 0.31%  | 0.012% |
| 201    | 13.210 | 13.178 | 13.244 | VV | 1317   | 20093   | 0.22%  | 0.009% |
| 202    | 13.283 | 13.244 | 13.299 | PV | 1730   | 36047   | 0.40%  | 0.016% |
| 203    | 13.311 | 13.299 | 13.342 | VV | 1543   | 33276   | 0.37%  | 0.014% |
| 204    | 13.356 | 13.342 | 13.393 | VV | 1116   | 24793   | 0.28%  | 0.011% |
| 205    | 13.402 | 13.393 | 13.412 | VV | 779    | 7333    | 0.08%  | 0.003% |
| 206    | 13.431 | 13.412 | 13.446 | VV | 1476   | 22516   | 0.25%  | 0.010% |
| 207    | 13.479 | 13.446 | 13.522 | VV | 2280   | 64278   | 0.72%  | 0.028% |
| 208    | 13.545 | 13.522 | 13.566 | VV | 1144   | 21282   | 0.24%  | 0.009% |
| 209    | 13.574 | 13.566 | 13.596 | VV | 1186   | 14394   | 0.16%  | 0.006% |
| 210    | 13.638 | 13.596 | 13.672 | VV | 383495 | 4810419 | 53.85% | 2.077% |
| 211    | 13.679 | 13.672 | 13.706 | VV | 1385   | 20804   | 0.23%  | 0.009% |
| 212    | 13.726 | 13.706 | 13.744 | VV | 824    | 13665   | 0.15%  | 0.006% |
| 213    | 13.792 | 13.744 | 13.821 | VV | 818    | 20984   | 0.23%  | 0.009% |
| 214    | 13.860 | 13.821 | 13.915 | PV | 2171   | 74425   | 0.83%  | 0.032% |
| 215    | 13.935 | 13.915 | 13.976 | VV | 1422   | 29112   | 0.33%  | 0.013% |
| 216    | 14.042 | 13.976 | 14.062 | VV | 2251   | 74329   | 0.83%  | 0.032% |
| 217    | 14.068 | 14.062 | 14.094 | VV | 1945   | 24036   | 0.27%  | 0.010% |
| 218    | 14.135 | 14.094 | 14.167 | VV | 2834   | 53601   | 0.60%  | 0.023% |
| 219    | 14.194 | 14.167 | 14.225 | PV | 9776   | 127393  | 1.43%  | 0.055% |
| 220    | 14.251 | 14.225 | 14.286 | VV | 2829   | 53796   | 0.60%  | 0.023% |
| 221    | 14.308 | 14.286 | 14.342 | VV | 1284   | 32934   | 0.37%  | 0.014% |
| 222    | 14.355 | 14.342 | 14.367 | VV | 667    | 7029    | 0.08%  | 0.003% |
| 223    | 14.410 | 14.367 | 14.417 | VV | 970    | 21366   | 0.24%  | 0.009% |
| 224    | 14.440 | 14.417 | 14.467 | VV | 2497   | 49624   | 0.56%  | 0.021% |
| 225    | 14.474 | 14.467 | 14.492 | VV | 1338   | 14618   | 0.16%  | 0.006% |
| 226    | 14.505 | 14.492 | 14.526 | VV | 913    | 13257   | 0.15%  | 0.006% |
| 227    | 14.541 | 14.526 | 14.551 | VV | 1263   | 14685   | 0.16%  | 0.006% |
| 228    | 14.589 | 14.551 | 14.625 | VV | 2084   | 65140   | 0.73%  | 0.028% |
| 229    | 14.637 | 14.625 | 14.656 | VV | 1522   | 23469   | 0.26%  | 0.010% |
| 230    | 14.668 | 14.656 | 14.685 | VV | 903    | 15415   | 0.17%  | 0.007% |
| 231    | 14.734 | 14.685 | 14.773 | VV | 356551 | 4772916 | 53.43% | 2.061% |
| 232    | 14.807 | 14.773 | 14.827 | VV | 1530   | 40456   | 0.45%  | 0.017% |
| 233    | 14.864 | 14.827 | 14.904 | VV | 1853   | 64269   | 0.72%  | 0.028% |
| 234    | 14.925 | 14.904 | 14.949 | VV | 2125   | 40042   | 0.45%  | 0.017% |
| 235    | 14.986 | 14.949 | 15.008 | VV | 1688   | 49417   | 0.55%  | 0.021% |
| 236    | 15.043 | 15.008 | 15.051 | VV | 2617   | 51265   | 0.57%  | 0.022% |
| 237    | 15.069 | 15.051 | 15.091 | VV | 2450   | 50860   | 0.57%  | 0.022% |
| 238    | 15.115 | 15.091 | 15.132 | VV | 2387   | 44744   | 0.50%  | 0.019% |
| 239    | 15.156 | 15.132 | 15.177 | VV | 3050   | 67321   | 0.75%  | 0.029% |
| 240    | 15.194 | 15.177 | 15.214 | VV | 2437   | 43247   | 0.48%  | 0.019% |
| 241    | 15.249 | 15.214 | 15.284 | VV | 11416  | 215469  | 2.41%  | 0.093% |
| 242    | 15.297 | 15.284 | 15.317 | VV | 3144   | 54625   | 0.61%  | 0.024% |
| 243    | 15.339 | 15.317 | 15.353 | VV | 2911   | 55063   | 0.62%  | 0.024% |
| 244    | 15.374 | 15.353 | 15.402 | VV | 4139   | 85371   | 0.96%  | 0.037% |
| 245    | 15.435 | 15.402 | 15.451 | VV | 3289   | 76209   | 0.85%  | 0.033% |
| 246    | 15.466 | 15.451 | 15.482 | VV | 4148   | 64463   | 0.72%  | 0.028% |

Instrument :  
FID\_C  
ClientSampleId :  
TP-1AMSD

Manual Integrations  
APPROVED

ugo  
5/16/2018 10:13:29 AM

| rteres |        |        |        |    |        |         |        |        |
|--------|--------|--------|--------|----|--------|---------|--------|--------|
| 247    | 15.503 | 15.482 | 15.529 | VV | 3973   | 88445   | 0.99%  | 0.038% |
| 248    | 15.565 | 15.529 | 15.590 | VV | 4925   | 151129  | 1.69%  | 0.065% |
| 249    | 15.623 | 15.590 | 15.662 | VV | 4597   | 169031  | 1.89%  | 0.073% |
| 250    | 15.681 | 15.662 | 15.696 | VV | 3959   | 73494   | 0.82%  | 0.032% |
| 251    | 15.751 | 15.696 | 15.822 | VV | 350531 | 4998756 | 55.96% | 2.159% |
| 252    | 15.837 | 15.822 | 15.846 | VV | 4823   | 64674   | 0.72%  | 0.028% |
| 253    | 15.881 | 15.846 | 15.897 | VV | 5881   | 158362  | 1.77%  | 0.068% |
| 254    | 15.933 | 15.897 | 15.965 | VV | 10458  | 311721  | 3.49%  | 0.135% |
| 255    | 16.013 | 15.965 | 16.029 | VV | 8815   | 283329  | 3.17%  | 0.122% |
| 256    | 16.071 | 16.029 | 16.084 | VV | 9674   | 295027  | 3.30%  | 0.127% |
| 257    | 16.104 | 16.084 | 16.151 | VV | 10889  | 345511  | 3.87%  | 0.149% |
| 258    | 16.190 | 16.151 | 16.204 | VV | 9759   | 269394  | 3.02%  | 0.116% |
| 259    | 16.229 | 16.204 | 16.257 | VV | 24071  | 469006  | 5.25%  | 0.203% |
| 260    | 16.385 | 16.257 | 16.420 | VV | 14623  | 1159133 | 12.98% | 0.501% |
| 261    | 16.435 | 16.420 | 16.452 | VV | 14690  | 265000  | 2.97%  | 0.114% |
| 262    | 16.467 | 16.452 | 16.476 | VV | 14429  | 191110  | 2.14%  | 0.083% |
| 263    | 16.484 | 16.476 | 16.513 | VV | 13999  | 295624  | 3.31%  | 0.128% |
| 264    | 16.569 | 16.513 | 16.607 | VV | 15996  | 794161  | 8.89%  | 0.343% |
| 265    | 16.616 | 16.607 | 16.624 | VV | 13362  | 130872  | 1.47%  | 0.057% |
| 266    | 16.697 | 16.624 | 16.732 | VV | 357059 | 5932347 | 66.42% | 2.562% |
| 267    | 16.745 | 16.732 | 16.762 | VV | 22096  | 361396  | 4.05%  | 0.156% |
| 268    | 16.780 | 16.762 | 16.795 | VV | 18495  | 356082  | 3.99%  | 0.154% |
| 269    | 16.871 | 16.795 | 16.895 | VV | 23896  | 1226317 | 13.73% | 0.530% |
| 270    | 16.921 | 16.895 | 16.961 | VV | 29066  | 925309  | 10.36% | 0.400% |
| 271    | 16.996 | 16.961 | 17.012 | VV | 23192  | 669738  | 7.50%  | 0.289% |
| 272    | 17.039 | 17.012 | 17.050 | VV | 23244  | 518773  | 5.81%  | 0.224% |
| 273    | 17.096 | 17.050 | 17.116 | VV | 31387  | 1068792 | 11.97% | 0.462% |
| 274    | 17.144 | 17.116 | 17.186 | VV | 46034  | 1396755 | 15.64% | 0.603% |
| 275    | 17.205 | 17.186 | 17.222 | VV | 30462  | 590689  | 6.61%  | 0.255% |
| 276    | 17.249 | 17.222 | 17.289 | VV | 34487  | 1154351 | 12.92% | 0.499% |
| 277    | 17.309 | 17.289 | 17.321 | VV | 26231  | 483727  | 5.42%  | 0.209% |
| 278    | 17.331 | 17.321 | 17.384 | VV | 26328  | 918943  | 10.29% | 0.397% |
| 279    | 17.423 | 17.384 | 17.446 | VV | 27582  | 912804  | 10.22% | 0.394% |
| 280    | 17.471 | 17.446 | 17.512 | VV | 33546  | 1164260 | 13.03% | 0.503% |
| 281    | 17.581 | 17.512 | 17.637 | VV | 378258 | 7280332 | 81.51% | 3.144% |
| 282    | 17.659 | 17.637 | 17.669 | VV | 26289  | 494687  | 5.54%  | 0.214% |
| 283    | 17.714 | 17.669 | 17.791 | VV | 62016  | 2730199 | 30.57% | 1.179% |
| 284    | 17.810 | 17.791 | 17.836 | VV | 28873  | 741453  | 8.30%  | 0.320% |
| 285    | 17.859 | 17.836 | 17.872 | VV | 31627  | 653566  | 7.32%  | 0.282% |
| 286    | 17.910 | 17.872 | 17.972 | VV | 33539  | 1901647 | 21.29% | 0.821% |
| 287    | 17.999 | 17.972 | 18.028 | VV | 61762  | 1395039 | 15.62% | 0.602% |
| 288    | 18.080 | 18.028 | 18.102 | VV | 60343  | 1781502 | 19.94% | 0.769% |
| 289    | 18.116 | 18.102 | 18.181 | VV | 35527  | 1521629 | 17.04% | 0.657% |
| 290    | 18.200 | 18.181 | 18.214 | VV | 32391  | 619987  | 6.94%  | 0.268% |
| 291    | 18.224 | 18.214 | 18.239 | VV | 32563  | 477208  | 5.34%  | 0.206% |
| 292    | 18.249 | 18.239 | 18.267 | VV | 34004  | 557218  | 6.24%  | 0.241% |
| 293    | 18.280 | 18.267 | 18.299 | VV | 34371  | 641379  | 7.18%  | 0.277% |
| 294    | 18.307 | 18.299 | 18.342 | VV | 33641  | 827236  | 9.26%  | 0.357% |
| 295    | 18.411 | 18.342 | 18.472 | VV | 371353 | 7512078 | 84.10% | 3.244% |
| 296    | 18.501 | 18.472 | 18.526 | VV | 53615  | 1349733 | 15.11% | 0.583% |
| 297    | 18.548 | 18.526 | 18.579 | VV | 52559  | 1396672 | 15.64% | 0.603% |
| 298    | 18.591 | 18.579 | 18.622 | VV | 37596  | 933655  | 10.45% | 0.403% |
| 299    | 18.670 | 18.622 | 18.752 | VV | 40254  | 2963507 | 33.18% | 1.280% |

Instrument :  
FID\_C  
ClientSampleId :  
TP-1AMSD

Manual Integrations  
APPROVED

ugo  
5/16/2018 10:13:29 AM



Instrument :  
FID\_C  
ClientSampleId :  
TP-1AMSD

Manual Integrations  
APPROVED

ugo  
5/16/2018 10:13:29 AM

| rteres                  |        |        |        |     |        |           |         |        |
|-------------------------|--------|--------|--------|-----|--------|-----------|---------|--------|
| 300                     | 18.804 | 18.752 | 18.864 | VV  | 73013  | 3206074   | 35.89%  | 1.385% |
| 301                     | 18.899 | 18.864 | 18.947 | VV  | 47202  | 2045292   | 22.90%  | 0.883% |
| 302                     | 18.999 | 18.947 | 19.044 | VV  | 44489  | 2424557   | 27.14%  | 1.047% |
| 303                     | 19.051 | 19.044 | 19.079 | VV  | 43286  | 897514    | 10.05%  | 0.388% |
| 304                     | 19.099 | 19.079 | 19.147 | VV  | 43235  | 1689488   | 18.91%  | 0.730% |
| 305                     | 19.193 | 19.147 | 19.272 | VV  | 381870 | 8452975   | 94.63%  | 3.651% |
| 306                     | 19.305 | 19.272 | 19.327 | VV  | 55509  | 1610788   | 18.03%  | 0.696% |
| 307                     | 19.338 | 19.327 | 19.357 | VV  | 47488  | 834956    | 9.35%   | 0.361% |
| 308                     | 19.375 | 19.357 | 19.389 | VV  | 48626  | 907515    | 10.16%  | 0.392% |
| 309                     | 19.406 | 19.389 | 19.430 | VV  | 51004  | 1231285   | 13.78%  | 0.532% |
| 310                     | 19.439 | 19.430 | 19.449 | VV  | 51275  | 573918    | 6.43%   | 0.248% |
| 311                     | 19.471 | 19.449 | 19.491 | VV  | 54716  | 1276658   | 14.29%  | 0.551% |
| 312                     | 19.563 | 19.491 | 19.592 | VV  | 89245  | 3890515   | 43.56%  | 1.680% |
| 313                     | 19.603 | 19.592 | 19.650 | VV  | 66663  | 2044435   | 22.89%  | 0.883% |
| 314                     | 19.721 | 19.650 | 19.751 | VV  | 58930  | 3332860   | 37.31%  | 1.439% |
| 315                     | 19.796 | 19.751 | 19.814 | VV  | 60881  | 2172156   | 24.32%  | 0.938% |
| 316                     | 19.849 | 19.814 | 19.862 | VV  | 62392  | 1754248   | 19.64%  | 0.758% |
| 317                     | 19.869 | 19.862 | 19.881 | VV  | 62307  | 682121    | 7.64%   | 0.295% |
| 318                     | 19.930 | 19.881 | 19.967 | VV  | 353114 | 7832516   | 87.69%  | 3.383% |
| 319                     | 19.989 | 19.967 | 20.013 | VV  | 69728  | 1850641   | 20.72%  | 0.799% |
| 320                     | 20.125 | 20.013 | 20.149 | VV  | 75423  | 5479841   | 61.35%  | 2.367% |
| 321                     | 20.161 | 20.149 | 20.174 | VV  | 68820  | 1014614   | 11.36%  | 0.438% |
| 322                     | 20.194 | 20.174 | 20.229 | VV  | 71896  | 2279823   | 25.52%  | 0.985% |
| 323                     | 20.281 | 20.229 | 20.317 | VV  | 94363  | 3968293   | 44.43%  | 1.714% |
| 324                     | 20.382 | 20.317 | 20.461 | VV  | 78116  | 6238317   | 69.84%  | 2.694% |
| 325                     | 20.492 | 20.461 | 20.562 | VV  | 76920  | 4403625   | 49.30%  | 1.902% |
| 326                     | 20.581 | 20.562 | 20.597 | VV  | 68552  | 1439790   | 16.12%  | 0.622% |
| 327                     | 20.646 | 20.597 | 20.709 | VV  | 323336 | 8932233   | 100.00% | 3.858% |
| 328                     | 20.718 | 20.709 | 20.740 | VV  | 63554  | 1180767   | 13.22%  | 0.510% |
| 329                     | 20.749 | 20.740 | 20.760 | VV  | 64131  | 760626    | 8.52%   | 0.328% |
| 330                     | 20.772 | 20.760 | 20.834 | VV  | 62978  | 2723269   | 30.49%  | 1.176% |
| 331                     | 20.845 | 20.834 | 20.861 | VV  | 62119  | 978202    | 10.95%  | 0.422% |
| 332                     | 20.892 | 20.861 | 20.934 | VV  | 62007  | 2684457   | 30.05%  | 1.159% |
| 333                     | 20.948 | 20.934 | 21.003 | VV  | 61473  | 2404761   | 26.92%  | 1.039% |
| 334                     | 21.047 | 21.003 | 21.114 | VV  | 72218  | 3860940   | 43.22%  | 1.667% |
| 335                     | 21.164 | 21.114 | 21.206 | VV  | 55351  | 2914571   | 32.63%  | 1.259% |
| 336                     | 21.229 | 21.206 | 21.239 | VV  | 51638  | 1030755   | 11.54%  | 0.445% |
| 337                     | 21.248 | 21.239 | 21.267 | VV  | 51241  | 855334    | 9.58%   | 0.369% |
| 338                     | 21.285 | 21.267 | 21.304 | VV  | 50096  | 1089890   | 12.20%  | 0.471% |
| 339                     | 21.328 | 21.304 | 21.359 | VV  | 49480  | 1590945   | 17.81%  | 0.687% |
| 340                     | 21.376 | 21.359 | 21.437 | VV  | 48040  | 2166395   | 24.25%  | 0.936% |
| 341                     | 21.506 | 21.437 | 21.551 | VBA | 233223 | 7367151   | 82.48%  | 3.182% |
| Sum of corrected areas: |        |        |        |     |        | 231548481 |         |        |

Alaphatic EPH 042418.M Tue May 15 21:40:55 2018