# Response Factor Report ECD_Q

Method Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\
Method File : PQ060619CLP.M
Title : GC EXTRACTABLES
Last Update : Fri Jun 07 01:39:59 2019
Response Via : Initial Calibration

Calibration Files
400 =PQ040623.D 1600 =PQ040625.D 800 =PQ040624.D
200 =PQ040622.D 100 =PQ040621.D

| | Compound | 400 | 1600 | 800 | 200 | 100 | Avg | | %RSD |
|---|---|---|---|---|---|---|---|---|---|
| 1) SA | Tetrachloro-m-xylene | 2.418 | 2.003 | 2.388 | 2.522 | 2.479 | 2.362 | E6 | 8.77 |
| 2) SA | Decachlorobiphenyl | 7.734 | 6.509 | 7.326 | 7.849 | 8.234 | 7.530 | E6 | 8.72 |
| 3) L1 | AR-1016-1 | 1.344 | 1.070 | 1.322 | 1.486 | 1.530 | 1.350 | E5 | 13.36 |
| 4) L1 | AR-1016-2 | 2.156 | 1.702 | 2.028 | 2.273 | 2.158 | 2.064 | E5 | 10.67 |
| 5) L1 | AR-1016-3 | 1.362 | 1.043 | 1.266 | 1.474 | 1.550 | 1.339 | E5 | 14.77 |
| 6) L1 | AR-1016-4 | 1.072 | 0.869 | 1.032 | 1.182 | 1.076 | 1.046 | E5 | 10.87 |
| 7) L1 | AR-1016-5 | 1.152 | 0.913 | 1.112 | 1.218 | 1.221 | 1.123 | E5 | 11.26 |
| 8) L2 | AR-1221-1 | 1.938 | 1.947 | 2.083 | 2.201 | 2.179 | 2.070 | E4 | 6.01 |
| 9) L2 | AR-1221-2 | 1.636 | 1.368 | 1.783 | 1.794 | 2.074 | 1.731 | E4 | 14.88 |
| 10) L2 | AR-1221-3 | 5.238 | 4.722 | 5.270 | 5.601 | 5.987 | 5.364 | E4 | 8.75 |
| 11) L3 | AR-1232-1 | 5.161 | 4.284 | 3.969 | 4.645 | 5.455 | 4.703 | E4 | 12.99 |
| 12) L3 | AR-1232-2 | 3.002 | 2.397 | 2.495 | 2.953 | 3.485 | 2.866 | E4 | 15.27 |
| 13) L3 | AR-1232-3 | 5.938 | 5.146 | 4.912 | 5.940 | 7.097 | 5.806 | E4 | 14.76 |
| 14) L3 | AR-1232-4 | 2.955 | 2.525 | 2.612 | 2.707 | 3.035 | 2.767 | E4 | 7.95 |
| 15) L3 | AR-1232-5 | 2.453 | 1.785 | 1.847 | 2.455 | 2.806 | 2.269 | E4 | 19.33 |
| 16) L4 | AR-1242-1 | 5.387 | 6.041 | 5.614 | 4.968 | 5.940 | 5.590 | E4 | 7.77 |
| 17) L4 | AR-1242-2 | 8.548 | 9.492 | 8.887 | 7.437 | 8.960 | 8.665 | E4 | 8.83 |
| 18) L4 | AR-1242-3 | 5.249 | 5.849 | 5.513 | 5.321 | 6.435 | 5.673 | E4 | 8.55 |
| 19) L4 | AR-1242-4 | 4.146 | 4.856 | 4.536 | 3.593 | 4.845 | 4.395 | E4 | 12.14 |
| 20) L4 | AR-1242-5 | 5.366 | 5.885 | 5.588 | 5.064 | 5.716 | 5.524 | E4 | 5.78 |
| 21) L5 | AR-1248-1 | 4.562 | 4.668 | 3.505 | 4.714 | 5.954 | 4.681 | E4 | 18.55 |
| 22) L5 | AR-1248-2 | 7.701 | 7.261 | 5.412 | 7.729 | 7.852 | 7.191 | E4 | 14.17 |
| 23) L5 | AR-1248-3 | 0.883 | 0.867 | 0.682 | 0.834 | 1.064 | 0.866 | E5 | 15.74 |
| 24) L5 | AR-1248-4 | 1.081 | 1.026 | 0.824 | 1.046 | 1.229 | 1.041 | E5 | 13.95 |
| 25) L5 | AR-1248-5 | 1.004 | 0.978 | 0.777 | 0.944 | 1.148 | 0.970 | E5 | 13.73 |
| 26) L6 | AR-1254-1 | 1.363 | 1.189 | 1.127 | 1.420 | 1.453 | 1.310 | E5 | 11.03 |
| 27) L6 | AR-1254-2 | 2.311 | 1.992 | 1.877 | 2.270 | 2.474 | 2.185 | E5 | 11.19 |
| 28) L6 | AR-1254-3 | 2.547 | 2.280 | 2.138 | 2.480 | 2.494 | 2.388 | E5 | 7.23 |
| 29) L6 | AR-1254-4 | 2.057 | 1.800 | 1.700 | 2.078 | 2.206 | 1.968 | E5 | 10.68 |
| 30) L6 | AR-1254-5 | 2.397 | 2.115 | 1.998 | 2.337 | 2.383 | 2.246 | E5 | 7.97 |
| 31) L7 | AR-1260-1 | 2.994 | 2.384 | 2.809 | 3.122 | 3.255 | 2.913 | E5 | 11.62 |
| 32) L7 | AR-1260-2 | 4.250 | 3.478 | 4.061 | 4.443 | 4.630 | 4.172 | E5 | 10.61 |
| 33) L7 | AR-1260-3 | 3.660 | 3.009 | 3.501 | 3.832 | 3.912 | 3.583 | E5 | 9.99 |
| 34) L7 | AR-1260-4 | 3.666 | 3.024 | 3.486 | 3.720 | 3.899 | 3.559 | E5 | 9.37 |
| 35) L7 | AR-1260-5 | 8.747 | 7.673 | 8.685 | 8.834 | 9.251 | 8.638 | E5 | 6.75 |
| 36) L8 | AR-1262-1 | 1.392 | 1.268 | 1.329 | 1.411 | 1.454 | 1.371 | E5 | 5.33 |
| 37) L8 | AR-1262-2 | 6.332 | 6.082 | 6.162 | 6.345 | 6.699 | 6.324 | E5 | 3.75 |
| 38) L8 | AR-1262-3 | 4.517 | 4.209 | 4.367 | 4.525 | 4.968 | 4.517 | E5 | 6.27 |
| 39) L8 | AR-1262-4 | 3.811 | 3.592 | 3.693 | 3.825 | 4.011 | 3.786 | E5 | 4.15 |
| 40) L8 | AR-1262-5 | 2.771 | 2.570 | 2.664 | 2.852 | 2.855 | 2.743 | E5 | 4.52 |
| 41) L9 | AR-1268-1 | 6.092 | 5.158 | 6.123 | 6.577 | 7.017 | 6.193 | E5 | 11.17 |
| 42) L9 | AR-1268-2 | 5.968 | 5.010 | 6.001 | 6.278 | 6.441 | 5.940 | E5 | 9.35 |
| 43) L9 | AR-1268-3 | 5.370 | 4.483 | 5.324 | 5.726 | 5.988 | 5.378 | E5 | 10.59 |
| 44) L9 | AR-1268-4 | 2.272 | 1.894 | 2.241 | 2.292 | 2.379 | 2.215 | E5 | 8.44 |
| 45) L9 | AR-1268-5 | 1.847 | 1.621 | 1.845 | 1.971 | 2.051 | 1.867 | E6 | 8.73 |

Signal #2 Calibration Files
400 =PQ040623.D 1600 =PQ040625.D 800 =PQ040624.D
200 =PQ040622.D 100 =PQ040621.D

| | Compound | 400 | 1600 | 800 | 200 | 100 | Avg | | %RSD |
|---|---|---|---|---|---|---|---|---|---|
| 1) SA | Tetrachloro-m-xylene | 1.693 | 1.440 | 1.684 | 1.759 | 1.774 | 1.670 | E6 | 8.05 |
| 2) SA | Decachlorobiphenyl | 4.424 | 3.975 | 4.423 | 4.411 | 4.637 | 4.374 | E6 | 5.53 |
| 3) L1 | AR-1016-1 | 1.082 | 0.875 | 1.090 | 1.179 | 1.196 | 1.084 | E5 | 11.80 |
| 4) L1 | AR-1016-2 | 1.691 | 1.410 | 1.645 | 1.789 | 1.915 | 1.690 | E5 | 11.10 |
| 5) L1 | AR-1016-3 | 9.028 | 7.339 | 8.792 | 9.515 | 9.558 | 8.847 | E4 | 10.21 |
| 6) L1 | AR-1016-4 | 7.518 | 5.888 | 7.118 | 8.198 | 8.598 | 7.464 | E4 | 14.10 |

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Response Via : Initial Calibration

Calibration Files
400 =PQ040623.D 1600 =PQ040625.D 800 =PQ040624.D
200 =PQ040622.D 100 =PQ040621.D

| | Compound | 400 | 1600 | 800 | 200 | 100 | Avg | | %RSD |
|---|---|---|---|---|---|---|---|---|---|
| 7) L1 | AR-1016-5 | 1.008 | 0.816 | 0.970 | 1.039 | 1.031 | 0.973 | E5 | 9.44 |
| 8) L2 | AR-1221-1 | 1.494 | 1.397 | 1.627 | 1.642 | 1.733 | 1.579 | E4 | 8.42 |
| 9) L2 | AR-1221-2 | 1.216 | 1.067 | 1.154 | 1.118 | 1.142 | 1.140 | E4 | 4.77 |
| 10) L2 | AR-1221-3 | 3.916 | 3.726 | 4.251 | 3.888 | 3.956 | 3.947 | E4 | 4.83 |
| 11) L3 | AR-1232-1 | 4.136 | 3.331 | 3.174 | 3.530 | 4.107 | 3.656 | E4 | 12.14 |
| 12) L3 | AR-1232-2 | 5.076 | 4.203 | 4.524 | 5.032 | 4.651 | 4.697 | E4 | 7.77 |
| 13) L3 | AR-1232-3 | 2.476 | 2.218 | 2.148 | 2.485 | 2.232 | 2.312 | E4 | 6.81 |
| 14) L3 | AR-1232-4 | 2.155 | 1.971 | 1.994 | 2.250 | 1.822 | 2.038 | E4 | 8.19 |
| 15) L3 | AR-1232-5 | 2.992 | 2.264 | 2.249 | 2.576 | 2.999 | 2.616 | E4 | 14.16 |
| 16) L4 | AR-1242-1 | 4.477 | 5.123 | 4.771 | 3.947 | 4.256 | 4.515 | E4 | 10.06 |
| 17) L4 | AR-1242-2 | 6.959 | 7.964 | 7.304 | 6.315 | 6.337 | 6.976 | E4 | 9.96 |
| 18) L4 | AR-1242-3 | 3.651 | 4.129 | 3.859 | 3.127 | 3.834 | 3.720 | E4 | 10.03 |
| 19) L4 | AR-1242-4 | 3.582 | 4.122 | 3.901 | 3.165 | 4.124 | 3.779 | E4 | 10.81 |
| 20) L4 | AR-1242-5 | 5.601 | 6.008 | 5.808 | 5.136 | 5.811 | 5.673 | E4 | 5.86 |
| 21) L5 | AR-1248-1 | 3.902 | 3.967 | 2.989 | 4.071 | 4.662 | 3.918 | E4 | 15.33 |
| 22) L5 | AR-1248-2 | 6.279 | 6.064 | 4.660 | 6.086 | 7.403 | 6.098 | E4 | 15.99 |
| 23) L5 | AR-1248-3 | 6.246 | 6.167 | 4.689 | 5.901 | 7.543 | 6.109 | E4 | 16.65 |
| 24) L5 | AR-1248-4 | 8.152 | 8.117 | 6.158 | 7.640 | 8.800 | 7.773 | E4 | 12.77 |
| 25) L5 | AR-1248-5 | 7.985 | 8.137 | 6.388 | 8.140 | 9.093 | 7.948 | E4 | 12.29 |
| 26) L6 | AR-1254-1 | 1.701 | 1.515 | 1.377 | 1.688 | 1.743 | 1.605 | E5 | 9.61 |
| 27) L6 | AR-1254-2 | 1.521 | 1.369 | 1.243 | 1.519 | 1.713 | 1.473 | E5 | 12.02 |
| 28) L6 | AR-1254-3 | 2.543 | 2.361 | 2.120 | 2.457 | 2.531 | 2.402 | E5 | 7.22 |
| 29) L6 | AR-1254-4 | 1.548 | 1.402 | 1.274 | 1.805 | 1.493 | 1.505 | E5 | 13.12 |
| 30) L6 | AR-1254-5 | 2.470 | 2.272 | 2.102 | 2.373 | 2.450 | 2.333 | E5 | 6.47 |
| 31) L7 | AR-1260-1 | 2.490 | 2.063 | 2.392 | 2.550 | 2.656 | 2.430 | E5 | 9.31 |
| 32) L7 | AR-1260-2 | 3.232 | 2.742 | 3.157 | 3.283 | 3.384 | 3.160 | E5 | 7.83 |
| 33) L7 | AR-1260-3 | 2.914 | 2.513 | 2.869 | 2.933 | 3.026 | 2.851 | E5 | 6.93 |
| 34) L7 | AR-1260-4 | 2.491 | 2.180 | 2.461 | 2.494 | 2.554 | 2.436 | E5 | 6.04 |
| 35) L7 | AR-1260-5 | 6.616 | 6.032 | 6.775 | 6.467 | 6.608 | 6.500 | E5 | 4.36 |
| 36) L8 | AR-1262-1 | 1.123 | 1.059 | 1.073 | 1.129 | 1.177 | 1.112 | E5 | 4.24 |
| 37) L8 | AR-1262-2 | 5.244 | 5.091 | 5.085 | 5.047 | 5.272 | 5.148 | E5 | 1.99 |
| 38) L8 | AR-1262-3 | 2.189 | 2.022 | 2.149 | 2.139 | 2.362 | 2.172 | E5 | 5.67 |
| 39) L8 | AR-1262-4 | 3.859 | 3.819 | 3.842 | 3.945 | 4.085 | 3.910 | E5 | 2.78 |
| 40) L8 | AR-1262-5 | 1.835 | 1.799 | 1.827 | 1.845 | 1.919 | 1.845 | E5 | 2.43 |
| 41) L9 | AR-1268-1 | 4.462 | 3.938 | 4.604 | 4.825 | 5.097 | 4.585 | E5 | 9.47 |
| 42) L9 | AR-1268-2 | 4.186 | 3.710 | 4.310 | 4.454 | 4.702 | 4.273 | E5 | 8.62 |
| 43) L9 | AR-1268-3 | 3.669 | 3.230 | 3.745 | 3.922 | 4.101 | 3.733 | E5 | 8.76 |
| 44) L9 | AR-1268-4 | 1.445 | 1.340 | 1.542 | 1.587 | 1.548 | 1.493 | E5 | 6.70 |
| 45) L9 | AR-1268-5 | 1.265 | 1.175 | 1.307 | 1.326 | 1.331 | 1.281 | E6 | 5.06 |

(#) = Out of Range