Response Factor Report ECD_L_NEW

Method Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\
Method File : PL011223.M
Title : GC Extractables
Last Update : Thu Jan 12 01:47:41 2023
Response Via : Initial Calibration

Calibration Files
50 =PL080246.D 100 =PL080244.D 75 =PL080245.D
25 =PL080247.D 5 =PL080248.D

| | Compound | 50 | 100 | 75 | 25 | 5 | Avg | | %RSD |
|---|---|---|---|---|---|---|---|---|---|
| 1) SA | Tetrachloro-m-xylene | 2.001 | 2.029 | 2.049 | 1.965 | 1.945 | 1.998 | E6 | 2.17 |
| 2) A | alpha-BHC | 2.964 | 3.178 | 3.146 | 2.734 | 2.419 | 2.888 | E6 | 10.96 |
| 3) MA | gamma-BHC (Lindane) | 2.735 | 2.893 | 2.873 | 2.556 | 2.309 | 2.673 | E6 | 9.14 |
| 4) MA | Heptachlor | 2.619 | 2.710 | 2.722 | 2.531 | 2.433 | 2.603 | E6 | 4.70 |
| 5) MB | Aldrin | 2.413 | 2.527 | 2.525 | 2.290 | 2.131 | 2.377 | E6 | 7.10 |
| 6) B | beta-BHC | 1.208 | 1.175 | 1.205 | 1.171 | 1.152 | 1.182 | E6 | 2.03 |
| 7) B | delta-BHC | 2.654 | 2.789 | 2.786 | 2.479 | 2.355 | 2.613 | E6 | 7.35 |
| 8) B | Heptachlor epoxide | 2.225 | 2.281 | 2.298 | 2.180 | 2.117 | 2.220 | E6 | 3.34 |
| 9) A | Endosulfan I | 2.033 | 2.076 | 2.105 | 1.990 | 1.925 | 2.026 | E6 | 3.52 |
| 10) B | gamma-Chlordane | 2.198 | 2.263 | 2.289 | 2.139 | 2.058 | 2.189 | E6 | 4.28 |
| 11) B | alpha-Chlordane | 2.183 | 2.226 | 2.259 | 2.136 | 2.043 | 2.169 | E6 | 3.89 |
| 12) B | 4,4'-DDE | 1.955 | 2.060 | 2.060 | 1.858 | 1.766 | 1.940 | E6 | 6.63 |
| 13) MA | Dieldrin | 2.068 | 2.156 | 2.167 | 1.985 | 1.899 | 2.055 | E6 | 5.54 |
| 14) MA | Endrin | 1.861 | 1.920 | 1.933 | 1.788 | 1.669 | 1.834 | E6 | 5.93 |
| 15) B | Endosulfan II | 1.932 | 1.899 | 1.951 | 2.137 | 3.547 | 2.293 | E6 | 30.83 |
| 16) A | 4,4'-DDD | 1.584 | 1.654 | 1.659 | 1.550 | 1.466 | 1.583 | E6 | 5.06 |
| 17) MA | 4,4'-DDT | 1.764 | 1.807 | 1.827 | 1.752 | 1.668 | 1.764 | E6 | 3.50 |
| 18) B | Endrin aldehyde | 1.421 | 1.415 | 1.444 | 1.471 | 1.463 | 1.443 | E6 | 1.72 |
| 19) B | Endosulfan Sulfate | 1.763 | 1.765 | 1.793 | 1.736 | 1.658 | 1.743 | E6 | 2.97 |
| 20) A | Methoxychlor | 9.119 | 8.858 | 9.137 | 9.139 | 8.295 | 8.910 | E5 | 4.08 |
| 21) B | Endrin ketone | 1.875 | 1.899 | 1.925 | 1.846 | 1.771 | 1.863 | E6 | 3.18 |
| 22) | Mirex | 1.431 | 1.387 | 1.434 | 1.459 | 1.362 | 1.415 | E6 | 2.79 |
| 23) | Chlordane-1 | 8.028 | 8.135 | 7.692 | 7.675 | 7.401 | 7.786 | E4 | 3.80 |
| 24) | Chlordane-2 | 8.844 | 8.629 | 8.383 | 8.825 | 9.316 | 8.799 | E4 | 3.90 |
| 25) | Chlordane-3 | 3.320 | 3.460 | 3.274 | 3.136 | 3.037 | 3.246 | E5 | 5.06 |
| 26) | Chlordane-4 | 4.068 | 4.176 | 4.030 | 3.891 | 3.808 | 3.995 | E5 | 3.65 |
| 27) | Chlordane-5 | 7.110 | 7.083 | 6.732 | 7.331 | 7.132 | 7.078 | E4 | 3.06 |
| 28) SA | Decachlorobiphenyl | 1.474 | 1.429 | 1.466 | 1.494 | 1.515 | 1.475 | E6 | 2.19 |

Signal #2 Calibration Files
50 =PL080246.D 100 =PL080244.D 75 =PL080245.D
25 =PL080247.D 5 =PL080248.D

| | Compound | 50 | 100 | 75 | 25 | 5 | Avg | | %RSD |
|---|---|---|---|---|---|---|---|---|---|
| 1) SA | Tetrachloro-m-xylene | 2.258 | 2.293 | 2.306 | 2.195 | 2.131 | 2.237 | E6 | 3.27 |
| 2) A | alpha-BHC | 3.315 | 3.570 | 3.511 | 3.031 | 2.590 | 3.203 | E6 | 12.56 |
| 3) MA | gamma-BHC (Lindane) | 3.101 | 3.292 | 3.269 | 2.874 | 2.558 | 3.019 | E6 | 10.17 |
| 4) MA | Heptachlor | 3.274 | 3.405 | 3.410 | 3.107 | 2.903 | 3.220 | E6 | 6.71 |
| 5) MB | Aldrin | 3.039 | 3.218 | 3.205 | 2.840 | 2.573 | 2.975 | E6 | 9.14 |
| 6) B | beta-BHC | 1.347 | 1.339 | 1.357 | 1.333 | 1.353 | 1.346 | E6 | 0.76 |
| 7) B | delta-BHC | 3.004 | 3.196 | 3.167 | 2.732 | 2.350 | 2.890 | E6 | 12.23 |
| 8) B | Heptachlor epoxide | 2.835 | 2.911 | 2.933 | 2.731 | 2.610 | 2.804 | E6 | 4.79 |
| 9) A | Endosulfan I | 2.651 | 2.728 | 2.752 | 2.544 | 2.397 | 2.614 | E6 | 5.59 |
| 10) B | gamma-Chlordane | 2.890 | 3.005 | 3.018 | 2.758 | 2.614 | 2.857 | E6 | 6.01 |
| 11) B | alpha-Chlordane | 2.893 | 2.977 | 3.009 | 2.781 | 2.643 | 2.861 | E6 | 5.25 |
| 12) B | 4,4'-DDE | 2.407 | 2.571 | 2.559 | 2.228 | 1.976 | 2.348 | E6 | 10.66 |
| 13) MA | Dieldrin | 2.758 | 2.905 | 2.898 | 2.599 | 2.468 | 2.725 | E6 | 6.99 |
| 14) MA | Endrin | 2.425 | 2.537 | 2.530 | 2.293 | 2.111 | 2.379 | E6 | 7.54 |
| 15) B | Endosulfan II | 2.374 | 2.386 | 2.416 | 2.367 | 2.586 | 2.426 | E6 | 3.78 |
| 16) A | 4,4'-DDD | 1.904 | 2.023 | 2.013 | 1.771 | 1.557 | 1.853 | E6 | 10.51 |
| 17) MA | 4,4'-DDT | 2.164 | 2.284 | 2.279 | 2.017 | 1.792 | 2.107 | E6 | 9.84 |
| 18) B | Endrin aldehyde | 1.811 | 1.808 | 1.835 | 1.785 | 1.865 | 1.821 | E6 | 1.66 |
| 19) B | Endosulfan Sulfate | 2.340 | 2.355 | 2.385 | 2.283 | 2.244 | 2.321 | E6 | 2.44 |
| 20) A | Methoxychlor | 1.212 | 1.186 | 1.209 | 1.213 | 1.189 | 1.202 | E6 | 1.10 |
| 21) B | Endrin ketone | 2.553 | 2.573 | 2.598 | 2.479 | 2.387 | 2.518 | E6 | 3.41 |
| 22) | Mirex | 2.247 | 2.145 | 2.224 | 2.301 | 2.338 | 2.251 | E6 | 3.29 |

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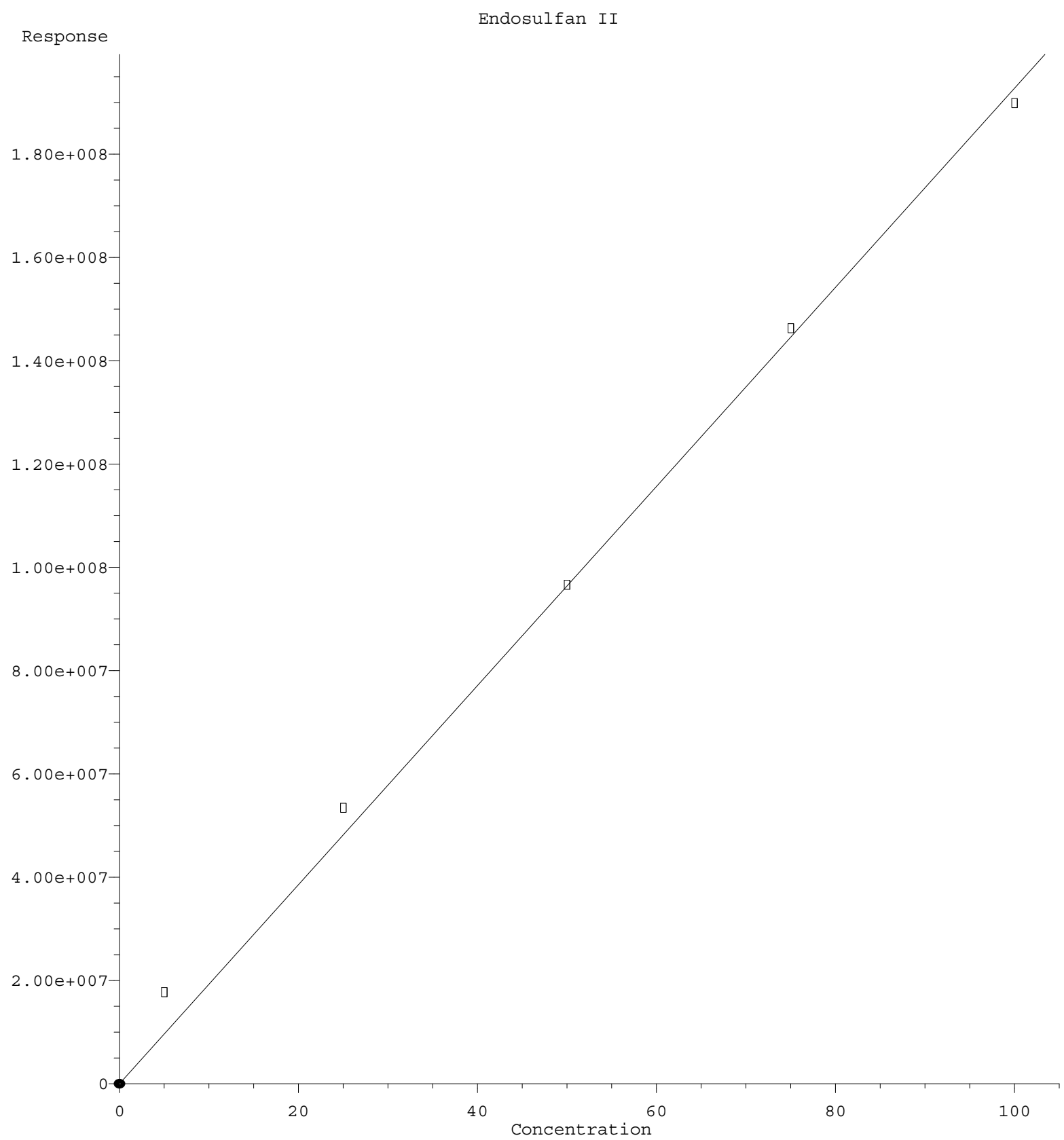
Calibration Files
50 =PL080246.D 100 =PL080244.D 75 =PL080245.D
25 =PL080247.D 5 =PL080248.D

| | Compound | 50 | 100 | 75 | 25 | 5 | Avg | | %RSD |
|---|---|---|---|---|---|---|---|---|---|
| 23) | Chlordane-1 | 8.274 | 8.513 | 8.010 | 8.036 | 7.940 | 8.154 | E4 | 2.90 |
| 24) | Chlordane-2 | 1.069 | 1.044 | 1.009 | 1.075 | 1.043 | 1.048 | E5 | 2.51 |
| 25) | Chlordane-3 | 2.929 | 3.096 | 2.887 | 2.725 | 2.638 | 2.855 | E5 | 6.27 |
| 26) | Chlordane-4 | 2.935 | 3.077 | 2.862 | 2.756 | 2.673 | 2.860 | E5 | 5.48 |
| 27) | Chlordane-5 | 7.777 | 7.853 | 7.423 | 7.664 | 9.251 | 7.993 | E4 | 9.02 |
| 28) SA | Decachlorobiphenyl | 2.218 | 2.094 | 2.156 | 2.287 | 2.485 | 2.248 | E6 | 6.70 |

(#) = Out of Range




Response = 1.929e+006 * Amt
Coef of Det (r^2) = 0.999512  Curve Fit: Linear/(0,0)
Method Name:  Z:\pestpcbsrv\HPCHEM1\ECD L\methods\PL011223.M
Calibration Table Last Updated: Thu Jan 12 01:41:03 2023