

### CALIBRATION FACTOR OF INITIAL CALIBRATION

**Contract:** CHEM02  
**Lab Code:** CHEM **Case No.:** P1187 **SAS No.:** P1187 **SDG NO.:** P1187  
**Instrument ID:** ECD\_Q **Calibration Date(s):** 01/17/2024 01/17/2024  
**Calibration Times:** 09:23 16:56  
**GC Column:** ZB-MR1 **ID:** 0.32 (mm)

| LAB FILE ID: CF 1000 = <u>PQ064804.D</u> CF 750 = <u>PQ064805.D</u><br>CF 500 = <u>PQ064806.D</u> CF 250 = <u>PQ064807.D</u> CF 050 = <u>PQ064808.D</u> |     |            |            |            |            |            |       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------|------------|------------|------------|------------|-------|
| COMPOUND                                                                                                                                                |     | CF 1000    | CF 750     | CF 500     | CF 250     | CF 050     | % RSD |
| Aroclor-1016-1                                                                                                                                          | (1) | 114994768  | 112952071  | 117597554  | 130737340  | 127006520  | 6     |
| Aroclor-1016-2                                                                                                                                          | (2) | 168006289  | 168958303  | 172651876  | 190267996  | 160527980  | 6     |
| Aroclor-1016-3                                                                                                                                          | (3) | 105792343  | 105945535  | 110339638  | 121729852  | 105591500  | 6     |
| Aroclor-1016-4                                                                                                                                          | (4) | 87171559   | 86877713   | 89664162   | 99217912   | 95441960   | 6     |
| Aroclor-1016-5                                                                                                                                          | (5) | 84362107   | 84575239   | 86566344   | 95579964   | 88793540   | 5     |
| Aroclor-1260-1                                                                                                                                          | (1) | 167796659  | 168583765  | 172506532  | 191925764  | 179676900  | 6     |
| Aroclor-1260-2                                                                                                                                          | (2) | 218006629  | 206930675  | 226168594  | 259034604  | 232049140  | 9     |
| Aroclor-1260-3                                                                                                                                          | (3) | 154982824  | 153116028  | 157023294  | 175166044  | 162502680  | 6     |
| Aroclor-1260-4                                                                                                                                          | (4) | 171013059  | 171248163  | 175203304  | 194721600  | 177015640  | 6     |
| Aroclor-1260-5                                                                                                                                          | (5) | 358240682  | 357144711  | 360717006  | 397991908  | 361547160  | 5     |
| Decachlorobiphenyl                                                                                                                                      |     | 2946458120 | 2952624827 | 3043142080 | 3378811000 | 3131197600 | 6     |
| Tetrachloro-m-xylene                                                                                                                                    |     | 3704304660 | 3719130227 | 3690919620 | 3975936760 | 3536310000 | 4     |
| Aroclor-1242-1                                                                                                                                          | (1) | 95960444   | 90960169   | 110369160  | 104278652  | 106127540  | 8     |
| Aroclor-1242-2                                                                                                                                          | (2) | 141541820  | 134005556  | 160801884  | 150644536  | 153392780  | 7     |
| Aroclor-1242-3                                                                                                                                          | (3) | 88560512   | 84573380   | 102583084  | 97863816   | 102783000  | 9     |
| Aroclor-1242-4                                                                                                                                          | (4) | 72698318   | 68754416   | 82915602   | 77425392   | 83582180   | 8     |
| Aroclor-1242-5                                                                                                                                          | (5) | 79656212   | 75456424   | 90638946   | 84145464   | 80813020   | 7     |
| Decachlorobiphenyl                                                                                                                                      |     | 3068873230 | 2930409267 | 3533329600 | 3336621160 | 3306279400 | 7     |
| Tetrachloro-m-xylene                                                                                                                                    |     | 3857472090 | 3684146267 | 4264596760 | 3916842320 | 3664094000 | 6     |
| Aroclor-1248-1                                                                                                                                          | (1) | 73214442   | 73661104   | 76986762   | 89519708   | 74665720   | 9     |
| Aroclor-1248-2                                                                                                                                          | (2) | 96731574   | 97827605   | 101679876  | 120787532  | 99851600   | 10    |
| Aroclor-1248-3                                                                                                                                          | (3) | 116105864  | 117346637  | 122259478  | 141822368  | 110017220  | 10    |
| Aroclor-1248-4                                                                                                                                          | (4) | 137158873  | 136892147  | 141074816  | 163899340  | 133483820  | 9     |
| Aroclor-1248-5                                                                                                                                          | (5) | 135495391  | 134034471  | 140242450  | 162068668  | 132526560  | 9     |
| Decachlorobiphenyl                                                                                                                                      |     | 3133966700 | 3229869027 | 3309588280 | 3750599040 | 3067695400 | 8     |
| Tetrachloro-m-xylene                                                                                                                                    |     | 3695392180 | 3722210240 | 3761766900 | 4364514160 | 3206028600 | 11    |
| Aroclor-1254-1                                                                                                                                          | (1) | 131933979  | 136540985  | 142201456  | 145700884  | 143291260  | 4     |
| Aroclor-1254-2                                                                                                                                          | (2) | 204004261  | 210820189  | 219113308  | 226081992  | 222579680  | 4     |
| Aroclor-1254-3                                                                                                                                          | (3) | 218438327  | 222738227  | 231280322  | 233994000  | 227981160  | 3     |
| Aroclor-1254-4                                                                                                                                          | (4) | 162049173  | 165508876  | 173182256  | 176360692  | 165548900  | 4     |
| Aroclor-1254-5                                                                                                                                          | (5) | 185162345  | 188085135  | 197636546  | 200855528  | 192684020  | 3     |
| Decachlorobiphenyl                                                                                                                                      |     | 3075043750 | 3137136920 | 3268606280 | 3341480360 | 3308748200 | 4     |
| Tetrachloro-m-xylene                                                                                                                                    |     | 3698917180 | 3783279733 | 3840389020 | 3863032920 | 3384459800 | 5     |
| Aroclor-1268-1                                                                                                                                          | (1) | 451351417  | 499459409  | 460340740  | 498791428  | 488249820  | 5     |

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|                      |     |            |            |            |            |            |            |   |
|----------------------|-----|------------|------------|------------|------------|------------|------------|---|
| Aroclor-1268-2       | (2) | 413842282  | 450921651  | 421163728  | 453332308  | 442327260  | 436317446  | 4 |
| Aroclor-1268-3       | (3) | 348318845  | 370865788  | 354677398  | 382257708  | 364085020  | 364040952  | 4 |
| Aroclor-1268-4       | (4) | 154330647  | 162642487  | 159221812  | 172019800  | 165347240  | 162712397  | 4 |
| Aroclor-1268-5       | (5) | 1105869539 | 1148554305 | 1117627968 | 1192922656 | 1158814860 | 1144757866 | 3 |
| Decachlorobiphenyl   |     | 5278990110 | 5531613240 | 5503080100 | 5981915200 | 5740170800 | 5607153890 | 5 |
| Tetrachloro-m-xylene |     | 4016058980 | 4308587560 | 3830621960 | 4012107920 | 3618874400 | 3957250164 | 6 |

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**Instrument ID:** ECD\_Q **Calibration Date(s):** 01/17/2024 01/17/2024  
**Calibration Times:** 09:23 16:56  
**GC Column:** ZB-MR2 **ID:** 0.32 (mm)

| LAB FILE ID: CF 1000 = <u>PQ064804.D</u> CF 750 = <u>PQ064805.D</u><br>CF 500 = <u>PQ064806.D</u> CF 250 = <u>PQ064807.D</u> CF 050 = <u>PQ064808.D</u> |     |            |            |            |            |            |       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------|------------|------------|------------|------------|-------|
| COMPOUND                                                                                                                                                |     | CF 1000    | CF 750     | CF 500     | CF 250     | CF 050     | % RSD |
| Aroclor-1016-1                                                                                                                                          | (1) | 228411115  | 234478252  | 240688548  | 273984976  | 271076180  | 9     |
| Aroclor-1016-2                                                                                                                                          | (2) | 325421151  | 325717409  | 335569170  | 374074180  | 359978760  | 6     |
| Aroclor-1016-3                                                                                                                                          | (3) | 179365861  | 182847659  | 188218806  | 209817752  | 196905920  | 6     |
| Aroclor-1016-4                                                                                                                                          | (4) | 147328186  | 151572189  | 156610540  | 176427664  | 172379480  | 8     |
| Aroclor-1016-5                                                                                                                                          | (5) | 185732963  | 189831885  | 195963664  | 218466368  | 202966580  | 6     |
| Aroclor-1260-1                                                                                                                                          | (1) | 372633625  | 376965623  | 388911308  | 440156876  | 433602960  | 8     |
| Aroclor-1260-2                                                                                                                                          | (2) | 456835808  | 458134067  | 471562818  | 533016756  | 525714360  | 8     |
| Aroclor-1260-3                                                                                                                                          | (3) | 436539232  | 440426584  | 450704532  | 507506488  | 556439440  | 11    |
| Aroclor-1260-4                                                                                                                                          | (4) | 367422045  | 367649320  | 379387906  | 425597580  | 405511240  | 7     |
| Aroclor-1260-5                                                                                                                                          | (5) | 830664903  | 826938880  | 843584502  | 928331476  | 934220480  | 6     |
| Decachlorobiphenyl                                                                                                                                      |     | 6796409500 | 6815793867 | 7022655940 | 7949000400 | 7753495600 | 7     |
| Tetrachloro-m-xylene                                                                                                                                    |     | 6528224570 | 6664756320 | 6612653140 | 7157747000 | 6424536000 | 4     |
| Aroclor-1242-1                                                                                                                                          | (1) | 196974137  | 189922352  | 226540324  | 218807028  | 233879980  | 9     |
| Aroclor-1242-2                                                                                                                                          | (2) | 272022272  | 263337881  | 313551132  | 299573296  | 305195020  | 8     |
| Aroclor-1242-3                                                                                                                                          | (3) | 151989755  | 148194332  | 175546720  | 167041344  | 165449020  | 7     |
| Aroclor-1242-4                                                                                                                                          | (4) | 140464756  | 138496284  | 164178448  | 157931008  | 161955820  | 8     |
| Aroclor-1242-5                                                                                                                                          | (5) | 189685913  | 183793583  | 220088344  | 211723060  | 211579400  | 8     |
| Decachlorobiphenyl                                                                                                                                      |     | 7077485530 | 6873758547 | 8148798080 | 7818018520 | 8269973800 | 8     |
| Tetrachloro-m-xylene                                                                                                                                    |     | 6819055680 | 6618253053 | 7645641740 | 7086850520 | 6888746200 | 6     |
| Aroclor-1248-1                                                                                                                                          | (1) | 151639106  | 156627209  | 164733772  | 197056460  | 169338420  | 11    |
| Aroclor-1248-2                                                                                                                                          | (2) | 209331134  | 217397331  | 230650952  | 276625648  | 237819940  | 11    |
| Aroclor-1248-3                                                                                                                                          | (3) | 200983150  | 210276949  | 223787376  | 266153844  | 223070940  | 11    |
| Aroclor-1248-4                                                                                                                                          | (4) | 249915806  | 260545732  | 275511752  | 327797312  | 279876200  | 11    |
| Aroclor-1248-5                                                                                                                                          | (5) | 261978248  | 269462440  | 284308606  | 333865892  | 280848740  | 10    |
| Decachlorobiphenyl                                                                                                                                      |     | 7353131010 | 7444791773 | 7706620140 | 9003511280 | 7899159600 | 8     |
| Tetrachloro-m-xylene                                                                                                                                    |     | 6738488280 | 6984192307 | 7108914800 | 8262843120 | 6634520400 | 9     |
| Aroclor-1254-1                                                                                                                                          | (1) | 386094652  | 398322395  | 417617682  | 436135060  | 450543880  | 6     |
| Aroclor-1254-2                                                                                                                                          | (2) | 337875361  | 348923831  | 368034012  | 384321664  | 401685800  | 7     |
| Aroclor-1254-3                                                                                                                                          | (3) | 549573035  | 563751203  | 588701010  | 605078472  | 619218300  | 5     |
| Aroclor-1254-4                                                                                                                                          | (4) | 361118722  | 371147847  | 390047622  | 405049640  | 407479460  | 5     |
| Aroclor-1254-5                                                                                                                                          | (5) | 514372655  | 530067557  | 553128330  | 572204068  | 565542740  | 4     |
| Decachlorobiphenyl                                                                                                                                      |     | 7195220050 | 7403928533 | 7750746160 | 8074968040 | 8368949200 | 6     |
| Tetrachloro-m-xylene                                                                                                                                    |     | 6920134530 | 7091052667 | 7315730020 | 7457206360 | 6938637200 | 3     |
| Aroclor-1268-1                                                                                                                                          | (1) | 1140979963 | 1273222131 | 1208097774 | 1309996556 | 1330556340 | 6     |

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|                      |     |             |             |             |             |             |             |   |
|----------------------|-----|-------------|-------------|-------------|-------------|-------------|-------------|---|
| Aroclor-1268-2       | (2) | 1048781762  | 1170641567  | 1126718440  | 1194243956  | 1195501460  | 1147177437  | 5 |
| Aroclor-1268-3       | (3) | 902802117   | 1003635385  | 967029334   | 1027587788  | 1024242540  | 985059433   | 5 |
| Aroclor-1268-4       | (4) | 395259519   | 441748791   | 430942694   | 471276116   | 463679040   | 440581232   | 7 |
| Aroclor-1268-5       | (5) | 2741973033  | 3046425424  | 2912254216  | 3054537668  | 3021630780  | 2955364224  | 4 |
| Decachlorobiphenyl   |     | 12572856850 | 14092442587 | 13632036460 | 14660987480 | 14975412200 | 13986747115 | 7 |
| Tetrachloro-m-xylene |     | 7609140050  | 8195958507  | 7834667260  | 8129709840  | 7650070200  | 7883909171  | 3 |