

**CALIBRATION FACTOR OF INITIAL CALIBRATION**

**Contract:** CHEM02

**Lab Code:** CHEM **Case No.:** Q2318 **SAS No.:** Q2318 **SDG NO.:** Q2318

**Instrument ID:** ECD\_Q **Calibration Date(s):** 06/09/2025 06/09/2025  
**Calibration Times:** 09:14 18:44

**GC Column:** ZB-MR1 **ID:** 0.32 (mm)

| LAB FILE ID:               |     | CF 100 = <u>PQ070313.D</u> |            | CF 200 = <u>PQ070314.D</u>  |            |            |       |
|----------------------------|-----|----------------------------|------------|-----------------------------|------------|------------|-------|
| CF 400 = <u>PQ070315.D</u> |     | CF 800 = <u>PQ070316.D</u> |            | CF 1600 = <u>PQ070317.D</u> |            |            |       |
| COMPOUND                   |     | CF 100                     | CF 200     | CF 400                      | CF 800     | CF 1600    | % RSD |
| Aroclor-1016-1             | (1) | 166607670                  | 164015775  | 151957863                   | 139541288  | 133284193  | 10    |
| Aroclor-1016-2             | (2) | 301752760                  | 298035670  | 274297803                   | 246656076  | 239393751  | 11    |
| Aroclor-1016-3             | (3) | 197667170                  | 198382890  | 187035403                   | 170231446  | 161208227  | 9     |
| Aroclor-1016-4             | (4) | 152671300                  | 149404935  | 143482953                   | 131122438  | 124858138  | 9     |
| Aroclor-1016-5             | (5) | 157162460                  | 155983765  | 143546418                   | 128855239  | 122805916  | 11    |
| Aroclor-1260-1             | (1) | 293935670                  | 283264670  | 261325783                   | 234493415  | 227645565  | 11    |
| Aroclor-1260-2             | (2) | 283671340                  | 285508390  | 265071758                   | 241615428  | 237544146  | 9     |
| Aroclor-1260-3             | (3) | 255506900                  | 251695685  | 232234675                   | 213364329  | 207736857  | 9     |
| Aroclor-1260-4             | (4) | 276844810                  | 270146200  | 252038408                   | 229728764  | 224502504  | 9     |
| Aroclor-1260-5             | (5) | 430594710                  | 431346535  | 404276233                   | 378255799  | 380053982  | 6     |
| DCB                        |     | 3107851000                 | 3147576650 | 2942125425                  | 2706979000 | 2624824781 | 8     |
| TCX                        |     | 7067461200                 | 7233578000 | 6788050150                  | 6226706800 | 6102040850 | 8     |
| Aroclor-1221-1             | (1) | 78443460                   | 81364395   | 73655325                    | 69138671   | 64878885   | 9     |
| Aroclor-1221-2             | (2) | 55129660                   | 53322875   | 49629168                    | 48730304   | 45947903   | 7     |
| Aroclor-1221-3             | (3) | 184014080                  | 177048335  | 162312133                   | 155265754  | 142635928  | 10    |
| DCB                        |     | 3224451500                 | 3115770950 | 2907982875                  | 2715403025 | 2575006019 | 9     |
| TCX                        |     | 7464359600                 | 7645300700 | 6900004500                  | 6693002750 | 6240514938 | 8     |
| Aroclor-1232-1             | (1) | 147491110                  | 145797530  | 135516130                   | 119364163  | 114323614  | 11    |
| Aroclor-1232-2             | (2) | 86761790                   | 81552000   | 75073660                    | 68942953   | 64401869   | 12    |
| Aroclor-1232-3             | (3) | 141562390                  | 139387225  | 125767645                   | 115766593  | 109592778  | 11    |
| Aroclor-1232-4             | (4) | 71169160                   | 67529345   | 63744003                    | 60563880   | 57019644   | 9     |
| Aroclor-1232-5             | (5) | 52898830                   | 48480955   | 44858565                    | 42980546   | 40034321   | 11    |
| DCB                        |     | 3298038200                 | 3149110550 | 2922511900                  | 2684372275 | 2578139663 | 10    |
| TCX                        |     | 7643297000                 | 7502373800 | 6990830050                  | 6331837525 | 6209579850 | 9     |
| Aroclor-1242-1             | (1) | 160061350                  | 148706520  | 131498783                   | 118880745  | 115209383  | 14    |
| Aroclor-1242-2             | (2) | 282738540                  | 254380335  | 227826960                   | 214185884  | 198661366  | 14    |
| Aroclor-1242-3             | (3) | 186553470                  | 166804995  | 153456238                   | 142418383  | 132482320  | 14    |
| Aroclor-1242-4             | (4) | 150842970                  | 130503415  | 119774083                   | 111153875  | 103797556  | 15    |
| Aroclor-1242-5             | (5) | 118420250                  | 119130250  | 109392885                   | 101850619  | 97427491   | 9     |
| DCB                        |     | 3490321300                 | 3193764450 | 2888041325                  | 2702272275 | 2622799506 | 12    |
| TCX                        |     | 7757722200                 | 7465452800 | 6706368600                  | 6352473975 | 6095755638 | 10    |
| Aroclor-1248-1             | (1) | 126550230                  | 108582005  | 108489668                   | 93168284   | 89911876   | 14    |
| Aroclor-1248-2             | (2) | 195400200                  | 178431290  | 173245705                   | 147184624  | 141609829  | 13    |
| Aroclor-1248-3             | (3) | 233227060                  | 210688215  | 206444418                   | 175828915  | 168416329  | 13    |

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|                |     |            |            |            |            |            |            |    |
|----------------|-----|------------|------------|------------|------------|------------|------------|----|
| Aroclor-1248-4 | (4) | 195898870  | 187523530  | 186923390  | 163254576  | 160199910  | 178760055  | 9  |
| Aroclor-1248-5 | (5) | 204365510  | 200463420  | 202352488  | 174819984  | 169642739  | 190328828  | 9  |
| DCB            |     | 3408600500 | 3117392100 | 3095146950 | 2674094150 | 2630208163 | 2985088373 | 11 |
| TCX            |     | 7681818400 | 7066779100 | 7035063650 | 6053998625 | 6119364225 | 6791404800 | 10 |
| Aroclor-1254-1 | (1) | 276504570  | 248728755  | 234206030  | 200672378  | 193095215  | 230641390  | 15 |
| Aroclor-1254-2 | (2) | 398778510  | 366582220  | 346430403  | 298063813  | 289466699  | 339864329  | 14 |
| Aroclor-1254-3 | (3) | 83087730   | 74039500   | 69318195   | 63233424   | 61691921   | 70274154   | 12 |
| Aroclor-1254-4 | (4) | 239487300  | 221224380  | 204376525  | 183506178  | 180646792  | 205848235  | 12 |
| Aroclor-1254-5 | (5) | 289786630  | 276456150  | 263452875  | 229256679  | 229100213  | 257610509  | 11 |
| DCB            |     | 3440301500 | 3270219350 | 3130548300 | 2664430088 | 2609364613 | 3022972770 | 12 |
| TCX            |     | 7901533800 | 6969233400 | 7041176600 | 6099085975 | 6088148900 | 6819835735 | 11 |
| Aroclor-1262-1 | (1) | 345584220  | 372181860  | 307142033  | 281179465  | 278592298  | 316935975  | 13 |
| Aroclor-1262-2 | (2) | 516271680  | 553965615  | 455823958  | 426065968  | 433478591  | 477121162  | 12 |
| Aroclor-1262-3 | (3) | 360187100  | 386623510  | 314668613  | 294694416  | 295376798  | 330310087  | 12 |
| Aroclor-1262-4 | (4) | 293439720  | 333870500  | 268626015  | 256480603  | 251563887  | 280796145  | 12 |
| Aroclor-1262-5 | (5) | 160554960  | 174257345  | 146607113  | 137474064  | 136433139  | 151065324  | 11 |
| DCB            |     | 3285866400 | 3485646650 | 2908178450 | 2683444350 | 2651041163 | 3002835403 | 12 |
| TCX            |     | 7317111000 | 8268676600 | 6509629050 | 6170820825 | 6072479525 | 6867743400 | 13 |
| Aroclor-1268-1 | (1) | 719161480  | 634166965  | 592340168  | 555746338  | 661308828  | 632544756  | 10 |
| Aroclor-1268-2 | (2) | 661790760  | 588613480  | 550067508  | 525017958  | 617519427  | 588601826  | 9  |
| Aroclor-1268-3 | (3) | 560897420  | 509046270  | 479102305  | 448436581  | 529405663  | 505377648  | 9  |
| Aroclor-1268-4 | (4) | 192823950  | 164968380  | 153749433  | 144209570  | 170687983  | 165287863  | 11 |
| Aroclor-1268-5 | (5) | 1445623470 | 1337612910 | 1286326455 | 1221667354 | 1484732246 | 1355192487 | 8  |
| DCB            |     | 6373738500 | 5733497500 | 5361754925 | 5008274225 | 5931204063 | 5681693843 | 9  |
| TCX            |     | 7868060400 | 6798750200 | 6672662200 | 6223288800 | 7290006750 | 6970553670 | 9  |

**CALIBRATION FACTOR OF INITIAL CALIBRATION**

**Contract:** CHEM02

**Lab Code:** CHEM **Case No.:** Q2318 **SAS No.:** Q2318 **SDG NO.:** Q2318

**Instrument ID:** ECD\_Q **Calibration Date(s):** 06/09/2025 06/09/2025  
**Calibration Times:** 09:14 18:44

**GC Column:** ZB-MR2 **ID:** 0.32 (mm)

| LAB FILE ID:   |     |            |            |            |            |            |            |           |  |            |  |
|----------------|-----|------------|------------|------------|------------|------------|------------|-----------|--|------------|--|
| CF 100 =       |     | PQ070313.D |            | CF 200 =   |            | PQ070314.D |            |           |  |            |  |
| CF 400 =       |     | PQ070315.D |            | CF 800 =   |            | PQ070316.D |            | CF 1600 = |  | PQ070317.D |  |
| COMPOUND       |     | CF 100     | CF 200     | CF 400     | CF 800     | CF 1600    | CF         | % RSD     |  |            |  |
| Aroclor-1016-1 | (1) | 181300180  | 178978870  | 161576618  | 146952350  | 141797423  | 162121088  | 11        |  |            |  |
| Aroclor-1016-2 | (2) | 314648340  | 291306620  | 273065398  | 240986058  | 238361823  | 271673648  | 12        |  |            |  |
| Aroclor-1016-3 | (3) | 186274570  | 179748745  | 168067978  | 149681891  | 141695007  | 165093638  | 12        |  |            |  |
| Aroclor-1016-4 | (4) | 189338090  | 183879600  | 165987823  | 146222719  | 134304718  | 163946590  | 14        |  |            |  |
| Aroclor-1016-5 | (5) | 203038280  | 199298340  | 186654130  | 166511119  | 154588724  | 182018119  | 12        |  |            |  |
| Aroclor-1260-1 | (1) | 380586770  | 366647275  | 338188883  | 305087869  | 293412081  | 336784575  | 11        |  |            |  |
| Aroclor-1260-2 | (2) | 404396680  | 400643290  | 373539495  | 338362923  | 327955469  | 368979571  | 9         |  |            |  |
| Aroclor-1260-3 | (3) | 414376330  | 400866695  | 374800153  | 337976080  | 330487412  | 371701334  | 10        |  |            |  |
| Aroclor-1260-4 | (4) | 357980190  | 349060340  | 325921385  | 293211364  | 287697026  | 322774061  | 10        |  |            |  |
| Aroclor-1260-5 | (5) | 660302990  | 662626160  | 633514938  | 589547966  | 594625273  | 628123465  | 6         |  |            |  |
| DCB            |     | 5481813000 | 5363975800 | 4964170525 | 4558617925 | 4458637844 | 4965443019 | 9         |  |            |  |
| TCX            |     | 7342100800 | 7437590100 | 6973100150 | 6336768975 | 6177427913 | 6853397588 | 8         |  |            |  |
| Aroclor-1221-1 | (1) | 85735880   | 88916640   | 81548848   | 76943563   | 68720156   | 80373017   | 10        |  |            |  |
| Aroclor-1221-2 | (2) | 61467260   | 63130755   | 59042263   | 54583996   | 48509776   | 57346810   | 10        |  |            |  |
| Aroclor-1221-3 | (3) | 209277290  | 195227805  | 181846055  | 168787964  | 149929979  | 181013819  | 13        |  |            |  |
| DCB            |     | 5824510500 | 5325957300 | 4972575775 | 4673525913 | 4383691800 | 5036052258 | 11        |  |            |  |
| TCX            |     | 7920536000 | 7332335200 | 6868054450 | 6565397950 | 6128244138 | 6962913548 | 10        |  |            |  |
| Aroclor-1232-1 | (1) | 169017370  | 165593975  | 154022715  | 134423806  | 123847422  | 149381058  | 13        |  |            |  |
| Aroclor-1232-2 | (2) | 148913100  | 165627820  | 151322733  | 124237453  | 128796488  | 143779519  | 12        |  |            |  |
| Aroclor-1232-3 | (3) | 76510730   | 76512505   | 74629348   | 68754210   | 64481106   | 72177580   | 7         |  |            |  |
| Aroclor-1232-4 | (4) | 76624900   | 70799265   | 67829390   | 61962699   | 57801881   | 67003627   | 11        |  |            |  |
| Aroclor-1232-5 | (5) | 86473220   | 82316135   | 75803048   | 68640468   | 63068868   | 75260348   | 13        |  |            |  |
| DCB            |     | 5902653400 | 5447445850 | 5021736075 | 4633666050 | 4420941113 | 5085288498 | 12        |  |            |  |
| TCX            |     | 7988731800 | 7663582600 | 7058369050 | 6422458975 | 6213500888 | 7069328663 | 11        |  |            |  |
| Aroclor-1242-1 | (1) | 176253500  | 163018030  | 140039203  | 131668173  | 120481311  | 146292043  | 16        |  |            |  |
| Aroclor-1242-2 | (2) | 292152400  | 270380020  | 239407953  | 219464181  | 209415325  | 246163976  | 14        |  |            |  |
| Aroclor-1242-3 | (3) | 176137150  | 159106620  | 134314128  | 127455080  | 116152639  | 142633123  | 17        |  |            |  |
| Aroclor-1242-4 | (4) | 175716040  | 160901115  | 133758438  | 124994796  | 113184492  | 141710976  | 18        |  |            |  |
| Aroclor-1242-5 | (5) | 185559220  | 170752975  | 145971030  | 136598718  | 127458028  | 153267994  | 16        |  |            |  |
| DCB            |     | 6238200100 | 5682662950 | 5003113125 | 4663381850 | 4505515525 | 5218574710 | 14        |  |            |  |
| TCX            |     | 8345186600 | 7989528500 | 7088472800 | 6616872200 | 6249760388 | 7257964098 | 12        |  |            |  |
| Aroclor-1248-1 | (1) | 138415630  | 123137060  | 119304268  | 101898029  | 98015038   | 116154005  | 14        |  |            |  |
| Aroclor-1248-2 | (2) | 258302040  | 231651910  | 222399040  | 186717483  | 175862605  | 214986616  | 16        |  |            |  |
| Aroclor-1248-3 | (3) | 221939010  | 221134215  | 210235933  | 176992376  | 167968596  | 199654026  | 13        |  |            |  |

**CALIBRATION FACTOR OF INITIAL CALIBRATION**

|                |     |             |             |            |            |             |             |    |
|----------------|-----|-------------|-------------|------------|------------|-------------|-------------|----|
| Aroclor-1248-4 | (4) | 297265120   | 262804980   | 252565683  | 213864258  | 204189644   | 246137937   | 15 |
| Aroclor-1248-5 | (5) | 245379150   | 206714230   | 203624720  | 174510616  | 171028770   | 200251497   | 15 |
| DCB            |     | 6273386500  | 5496284100  | 5373296425 | 4639701613 | 4555744206  | 5267682569  | 13 |
| TCX            |     | 8658735800  | 7865710900  | 7788804300 | 6671460450 | 6589361400  | 7514814570  | 12 |
| Aroclor-1254-1 | (1) | 448664320   | 397541955   | 375552110  | 315161444  | 305191296   | 368422225   | 16 |
| Aroclor-1254-2 | (2) | 397934770   | 356957895   | 335616850  | 280391566  | 271448905   | 328469997   | 16 |
| Aroclor-1254-3 | (3) | 589534570   | 540678050   | 515303385  | 438351986  | 428666790   | 502506956   | 14 |
| Aroclor-1254-4 | (4) | 271785430   | 252497910   | 235460250  | 209090160  | 204986323   | 234764015   | 12 |
| Aroclor-1254-5 | (5) | 518149840   | 484410080   | 455915988  | 389839476  | 383752404   | 446413558   | 13 |
| DCB            |     | 6371698600  | 5817419500  | 5510277625 | 4735868250 | 4615559600  | 5410164715  | 14 |
| TCX            |     | 8834824400  | 7996073100  | 7929199450 | 6721233825 | 6575094363  | 7611285028  | 12 |
| Aroclor-1262-1 | (1) | 581808290   | 593819170   | 470078598  | 438579741  | 425546018   | 501966363   | 16 |
| Aroclor-1262-2 | (2) | 529644370   | 538642260   | 433208315  | 399880350  | 391771698   | 458629399   | 15 |
| Aroclor-1262-3 | (3) | 385826210   | 403473100   | 324368430  | 299106019  | 298200240   | 342194800   | 14 |
| Aroclor-1262-4 | (4) | 664641080   | 688959545   | 566379925  | 520789675  | 527540781   | 593662201   | 13 |
| Aroclor-1262-5 | (5) | 282241260   | 300472870   | 245979143  | 227490953  | 228131941   | 256863233   | 13 |
| DCB            |     | 6122013600  | 6320588850  | 5142951575 | 4747423538 | 4619194419  | 5390434396  | 15 |
| TCX            |     | 8391070400  | 9144315500  | 7123569700 | 6830826775 | 6656697150  | 7629295905  | 14 |
| Aroclor-1268-1 | (1) | 1101933220  | 972198380   | 904017913  | 841371311  | 1006113067  | 965126778   | 10 |
| Aroclor-1268-2 | (2) | 1060881630  | 911933010   | 845211915  | 791347954  | 942600029   | 910394908   | 11 |
| Aroclor-1268-3 | (3) | 968347470   | 857569895   | 802046008  | 750074118  | 887422378   | 853091974   | 10 |
| Aroclor-1268-4 | (4) | 377239020   | 308553730   | 295303380  | 267314968  | 315084113   | 312699042   | 13 |
| Aroclor-1268-5 | (5) | 2440670980  | 2199509210  | 2097627995 | 2000175396 | 2488080152  | 2245212747  | 9  |
| DCB            |     | 11644504800 | 10162722300 | 9512626875 | 8877097400 | 10621730250 | 10163736325 | 10 |
| TCX            |     | 9014469800  | 7918633600  | 7456126700 | 6866986150 | 7926414950  | 7836526240  | 10 |