

**CALIBRATION FACTOR OF INITIAL CALIBRATION**

**Contract:** CHEM02

**Lab Code:** CHEM **Case No.:** Q1729 **SAS No.:** Q1729 **SDG NO.:** Q1729

**Instrument ID:** ECD\_Q **Calibration Date(s):** 03/17/2025 03/17/2025  
**Calibration Times:** 12:56 22:25

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

| LAB FILE ID:               |     | CF 100 = <u>PQ070048.D</u> |             | CF 200 = <u>PQ070049.D</u>  |            |            |            |
|----------------------------|-----|----------------------------|-------------|-----------------------------|------------|------------|------------|
| CF 400 = <u>PQ070050.D</u> |     | CF 800 = <u>PQ070051.D</u> |             | CF 1600 = <u>PQ070052.D</u> |            |            |            |
| COMPOUND                   |     | CF 100                     | CF 200      | CF 400                      | CF 800     | CF 1600    | % RSD      |
| Aroclor-1016-1             | (1) | 273105990                  | 248368135   | 227009508                   | 201860755  | 199777738  | 230024425  |
| Aroclor-1016-2             | (2) | 450642830                  | 414658445   | 383943840                   | 349472573  | 336711346  | 387085807  |
| Aroclor-1016-3             | (3) | 296312770                  | 270919765   | 250970885                   | 226604586  | 216191226  | 252199847  |
| Aroclor-1016-4             | (4) | 237116090                  | 210690750   | 197337113                   | 179353956  | 174269657  | 199753513  |
| Aroclor-1016-5             | (5) | 221501840                  | 212533550   | 198009633                   | 177470926  | 170811899  | 196065570  |
| Aroclor-1260-1             | (1) | 388533130                  | 373233845   | 342368528                   | 308405765  | 301179415  | 342744137  |
| Aroclor-1260-2             | (2) | 429919250                  | 401801400   | 369803983                   | 337903433  | 337455688  | 375376751  |
| Aroclor-1260-3             | (3) | 336874350                  | 324815725   | 299900020                   | 274931875  | 269828868  | 301270168  |
| Aroclor-1260-4             | (4) | 367566470                  | 348976425   | 325657998                   | 297792553  | 291795308  | 326357751  |
| Aroclor-1260-5             | (5) | 660304100                  | 609616600   | 569709093                   | 538469951  | 540023161  | 583624581  |
| DCB                        |     | 4195758400                 | 3983057300  | 3828469600                  | 3516972600 | 3463215038 | 3797494588 |
| TCX                        |     | 10052196600                | 9506361000  | 8967222250                  | 8185681250 | 7987366875 | 8939765595 |
| Aroclor-1221-1             | (1) | 111760240                  | 103901215   | 99952813                    | 91976901   | 87888001   | 99095834   |
| Aroclor-1221-2             | (2) | 77016260                   | 72128395    | 67773383                    | 62492685   | 60593178   | 68000780   |
| Aroclor-1221-3             | (3) | 258605710                  | 233303270   | 219395908                   | 196938764  | 188769188  | 219402568  |
| DCB                        |     | 4072973700                 | 3918791150  | 3749880650                  | 3487886300 | 3457055494 | 3737317459 |
| TCX                        |     | 10294481000                | 9683559700  | 9084529200                  | 8451817450 | 8280217900 | 9158921050 |
| Aroclor-1232-1             | (1) | 203072070                  | 192889605   | 182547878                   | 165004138  | 153020889  | 179306916  |
| Aroclor-1232-2             | (2) | 118878510                  | 111309270   | 101496488                   | 93853783   | 88053728   | 102718356  |
| Aroclor-1232-3             | (3) | 215685910                  | 204961660   | 189998580                   | 171115439  | 159506829  | 188253684  |
| Aroclor-1232-4             | (4) | 111032660                  | 103546495   | 96399418                    | 88050819   | 82501204   | 96306119   |
| Aroclor-1232-5             | (5) | 74837440                   | 70689255    | 65939720                    | 59814819   | 55926713   | 65441589   |
| DCB                        |     | 4425146200                 | 4256223700  | 4110309475                  | 3682960038 | 3524350575 | 3999797998 |
| TCX                        |     | 10689053200                | 10132990600 | 9405358250                  | 8670250775 | 8268566775 | 9433243920 |
| Aroclor-1242-1             | (1) | 237647560                  | 222580480   | 205866253                   | 185039481  | 175248189  | 205276393  |
| Aroclor-1242-2             | (2) | 391432780                  | 361079070   | 329512358                   | 302206666  | 288295872  | 334505349  |
| Aroclor-1242-3             | (3) | 248678560                  | 231627395   | 214843328                   | 194744494  | 182179984  | 214414752  |
| Aroclor-1242-4             | (4) | 196628930                  | 185751855   | 171350380                   | 157083691  | 148723554  | 171907682  |
| Aroclor-1242-5             | (5) | 170729930                  | 160757235   | 154737600                   | 143789621  | 139184125  | 153839702  |
| DCB                        |     | 4170643200                 | 3955436450  | 3710328350                  | 3452722525 | 3389956250 | 3735817355 |
| TCX                        |     | 10391136200                | 9854573400  | 9121967900                  | 8462042600 | 8095105363 | 9184965093 |
| Aroclor-1248-1             | (1) | 192247510                  | 177908585   | 155596005                   | 141542005  | 138161577  | 161091136  |
| Aroclor-1248-2             | (2) | 279180060                  | 257578685   | 225538050                   | 205956780  | 197568692  | 233164453  |
| Aroclor-1248-3             | (3) | 329553230                  | 304641555   | 267430423                   | 246023004  | 239545563  | 277438755  |

**CALIBRATION FACTOR OF INITIAL CALIBRATION**

|                |     |             |            |            |            |            |            |    |
|----------------|-----|-------------|------------|------------|------------|------------|------------|----|
| Aroclor-1248-4 | (4) | 326971810   | 302106600  | 268158595  | 248890703  | 246447049  | 278514951  | 13 |
| Aroclor-1248-5 | (5) | 312865110   | 294451755  | 263536428  | 245099808  | 242559876  | 271702595  | 11 |
| DCB            |     | 4405468200  | 4131850450 | 3742985175 | 3496057975 | 3442722338 | 3843816828 | 11 |
| TCX            |     | 10501717400 | 9942093700 | 8698812250 | 8224195150 | 8089106438 | 9091184988 | 12 |
| Aroclor-1254-1 | (1) | 360235400   | 331862755  | 310850920  | 277504429  | 260040409  | 308098783  | 13 |
| Aroclor-1254-2 | (2) | 557414440   | 501873025  | 470451608  | 424600760  | 399425323  | 470753031  | 13 |
| Aroclor-1254-3 | (3) | 561172230   | 511106265  | 480419563  | 441914665  | 419884113  | 482899367  | 12 |
| Aroclor-1254-4 | (4) | 378336600   | 327206135  | 309160868  | 288146009  | 274196715  | 315409265  | 13 |
| Aroclor-1254-5 | (5) | 414165740   | 383232690  | 358326568  | 336747200  | 321007231  | 362695886  | 10 |
| DCB            |     | 4928102800  | 4220603500 | 3989030925 | 3649141563 | 3473112719 | 4051998301 | 14 |
| TCX            |     | 10209669000 | 9651303100 | 9060163750 | 8282456900 | 7875967225 | 9015911995 | 11 |
| Aroclor-1268-1 | (1) | 1023937420  | 913278895  | 841771368  | 796296679  | 767743353  | 868605543  | 12 |
| Aroclor-1268-2 | (2) | 948745490   | 854354765  | 789064138  | 747537116  | 717315190  | 811403340  | 11 |
| Aroclor-1268-3 | (3) | 794350660   | 709028980  | 655510838  | 619436824  | 597580757  | 675181612  | 12 |
| Aroclor-1268-4 | (4) | 291267460   | 259555175  | 244934545  | 234869290  | 226700421  | 251465378  | 10 |
| Aroclor-1268-5 | (5) | 2121566100  | 1904580680 | 1805815365 | 1738806430 | 1687832641 | 1851720243 | 9  |
| DCB            |     | 9121433400  | 8127114750 | 7507677025 | 7095417563 | 6775147444 | 7725358036 | 12 |
| TCX            |     | 11514977200 | 9956871500 | 9089780450 | 8495817500 | 8043854425 | 9420260215 | 15 |

**CALIBRATION FACTOR OF INITIAL CALIBRATION**

**Contract:** CHEM02

**Lab Code:** CHEM **Case No.:** Q1729 **SAS No.:** Q1729 **SDG NO.:** Q1729

**Instrument ID:** ECD\_Q **Calibration Date(s):** 03/17/2025 03/17/2025  
**Calibration Times:** 12:56 22:25

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

| LAB FILE ID:   |     |            |            |            |            |            |            |                      |  |
|----------------|-----|------------|------------|------------|------------|------------|------------|----------------------|--|
| CF 100 =       |     | PQ070048.D |            | CF 200 =   |            | PQ070049.D |            |                      |  |
| CF 400 =       |     | PQ070050.D |            | CF 800 =   |            | PQ070051.D |            | CF 1600 = PQ070052.D |  |
| COMPOUND       |     | CF 100     | CF 200     | CF 400     | CF 800     | CF 1600    | CF         | % RSD                |  |
| Aroclor-1016-1 | (1) | 272699950  | 234695350  | 221275558  | 195734515  | 193520983  | 223585271  | 15                   |  |
| Aroclor-1016-2 | (2) | 426829530  | 395631870  | 364426813  | 330087613  | 308043750  | 365003915  | 13                   |  |
| Aroclor-1016-3 | (3) | 247396740  | 219585175  | 207440718  | 182772244  | 176053092  | 206649594  | 14                   |  |
| Aroclor-1016-4 | (4) | 230299160  | 205846175  | 189565645  | 166268340  | 156536158  | 189703096  | 16                   |  |
| Aroclor-1016-5 | (5) | 269086760  | 239146885  | 221774270  | 197018265  | 187870641  | 222979364  | 15                   |  |
| Aroclor-1260-1 | (1) | 473823380  | 423675615  | 397777458  | 359564058  | 348155923  | 400599287  | 13                   |  |
| Aroclor-1260-2 | (2) | 553960110  | 489861765  | 461630823  | 419159284  | 409651551  | 466852706  | 13                   |  |
| Aroclor-1260-3 | (3) | 520029980  | 470666785  | 439440928  | 400454314  | 393546986  | 444827799  | 12                   |  |
| Aroclor-1260-4 | (4) | 464746930  | 416257370  | 384465928  | 351381798  | 343914711  | 392153347  | 13                   |  |
| Aroclor-1260-5 | (5) | 957672120  | 855828630  | 811173625  | 753409143  | 766016571  | 828820018  | 10                   |  |
| DCB            |     | 6890966300 | 6185604750 | 5756203875 | 5281228550 | 5193101075 | 5861420910 | 12                   |  |
| TCX            |     | 9236772800 | 8494017700 | 8049078800 | 7353003075 | 7194230025 | 8065420480 | 10                   |  |
| Aroclor-1221-1 | (1) | 112624550  | 103184800  | 97858170   | 86692678   | 81863744   | 96444788   | 13                   |  |
| Aroclor-1221-2 | (2) | 73390370   | 72586200   | 69427113   | 61856185   | 58158402   | 67083654   | 10                   |  |
| Aroclor-1221-3 | (3) | 248108250  | 234869115  | 215918010  | 191670735  | 178912647  | 213895751  | 13                   |  |
| DCB            |     | 6837048000 | 6073352400 | 5684353700 | 5176236050 | 5155272425 | 5785252515 | 12                   |  |
| TCX            |     | 8849826600 | 8229319700 | 7753914450 | 7129197100 | 7047767125 | 7802004995 | 10                   |  |
| Aroclor-1232-1 | (1) | 216590630  | 194524195  | 180902615  | 158748991  | 145478939  | 179249074  | 16                   |  |
| Aroclor-1232-2 | (2) | 225979470  | 195640350  | 177363145  | 159075496  | 151339713  | 181879635  | 17                   |  |
| Aroclor-1232-3 | (3) | 110110890  | 100095575  | 96081480   | 87712416   | 81272254   | 95054523   | 12                   |  |
| Aroclor-1232-4 | (4) | 99058440   | 88482060   | 84432723   | 75909109   | 69976832   | 83571833   | 13                   |  |
| Aroclor-1232-5 | (5) | 110000160  | 102465570  | 94589795   | 84283271   | 78130408   | 93893841   | 14                   |  |
| DCB            |     | 7115368800 | 6681573600 | 6135125050 | 5476930488 | 5227764988 | 6127352585 | 13                   |  |
| TCX            |     | 9318036600 | 8691803000 | 8052079900 | 7479009250 | 7208756688 | 8149937088 | 11                   |  |
| Aroclor-1242-1 | (1) | 234262330  | 210538090  | 195218823  | 176888086  | 168236749  | 197028816  | 13                   |  |
| Aroclor-1242-2 | (2) | 361893050  | 334777570  | 302846623  | 275660000  | 265038090  | 308043067  | 13                   |  |
| Aroclor-1242-3 | (3) | 197734020  | 184758530  | 169559420  | 153053364  | 144811850  | 169983437  | 13                   |  |
| Aroclor-1242-4 | (4) | 191444380  | 179738120  | 163284060  | 145970053  | 135272792  | 163141881  | 14                   |  |
| Aroclor-1242-5 | (5) | 234332980  | 213767220  | 196444065  | 178381639  | 169222664  | 198429714  | 13                   |  |
| DCB            |     | 6913893100 | 6390877800 | 5867602425 | 5402373725 | 5234650588 | 5961879528 | 12                   |  |
| TCX            |     | 9112212800 | 8578259100 | 7962097700 | 7372325225 | 7143012213 | 8033581408 | 10                   |  |
| Aroclor-1248-1 | (1) | 188938780  | 169464785  | 151574933  | 136355394  | 129484744  | 155163727  | 16                   |  |
| Aroclor-1248-2 | (2) | 298882230  | 270523045  | 238514088  | 216146391  | 201255240  | 245064199  | 16                   |  |
| Aroclor-1248-3 | (3) | 289280430  | 262220815  | 230912793  | 209322129  | 195769730  | 237501179  | 16                   |  |

**CALIBRATION FACTOR OF INITIAL CALIBRATION**

|                |     |             |             |             |             |             |             |    |
|----------------|-----|-------------|-------------|-------------|-------------|-------------|-------------|----|
| Aroclor-1248-4 | (4) | 346506010   | 317702300   | 280291903   | 255661585   | 240598747   | 288152109   | 15 |
| Aroclor-1248-5 | (5) | 320119780   | 291911180   | 256395158   | 238409741   | 229716463   | 267310464   | 14 |
| DCB            |     | 7080329000  | 6671715800  | 5849372300  | 5473457138  | 5276257438  | 6070226335  | 13 |
| TCX            |     | 9471775000  | 8873976300  | 7962311850  | 7527278800  | 7266968188  | 8220462028  | 11 |
| Aroclor-1254-1 | (1) | 516397470   | 456175365   | 419852540   | 377021830   | 353222359   | 424533913   | 15 |
| Aroclor-1254-2 | (2) | 465165530   | 406285305   | 371083970   | 331496074   | 309726454   | 376751467   | 16 |
| Aroclor-1254-3 | (3) | 681264220   | 626248040   | 578657390   | 529580209   | 501168226   | 583383617   | 12 |
| Aroclor-1254-4 | (4) | 407402780   | 359268995   | 334960548   | 303828249   | 290561802   | 339204475   | 14 |
| Aroclor-1254-5 | (5) | 615117130   | 557830380   | 521821250   | 473472353   | 452265904   | 524101403   | 12 |
| DCB            |     | 7510259900  | 6478223800  | 6079446950  | 5511638950  | 5233088706  | 6162531661  | 15 |
| TCX            |     | 8653819600  | 8444946500  | 8143280950  | 7393809850  | 7042754988  | 7935722378  | 9  |
| Aroclor-1268-1 | (1) | 1358814110  | 1209920240  | 1113191323  | 1061695268  | 1010558881  | 1150835964  | 12 |
| Aroclor-1268-2 | (2) | 1230643330  | 1096665815  | 1012446108  | 967836434   | 925456557   | 1046609649  | 12 |
| Aroclor-1268-3 | (3) | 1122958110  | 996776330   | 911730898   | 865560339   | 822002806   | 943805697   | 13 |
| Aroclor-1268-4 | (4) | 439573590   | 401245935   | 369265813   | 350795439   | 330875794   | 378351314   | 11 |
| Aroclor-1268-5 | (5) | 3182084990  | 2797474955  | 2584275705  | 2505900971  | 2466041192  | 2707155563  | 11 |
| DCB            |     | 13836746100 | 12162803200 | 11233395275 | 10566518000 | 10213839181 | 11602660351 | 13 |
| TCX            |     | 9234563000  | 8606437200  | 7948920650  | 7498693325  | 7137249813  | 8085172798  | 10 |