

**CALIBRATION FACTOR OF INITIAL CALIBRATION**

**Contract:** ATCE02

**Lab Code:** CHEM **Case No.:** Q1596 **SAS No.:** Q1596 **SDG NO.:** Q1596

**Instrument ID:** ECD\_P **Calibration Date(s):** 03/11/2025 03/11/2025  
**Calibration Times:** 15:13 23:38

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

| LAB FILE ID:               |     | CF 1000 = <u>PP070419.D</u> |            | CF 750 = <u>PP070420.D</u> |            |            |            |
|----------------------------|-----|-----------------------------|------------|----------------------------|------------|------------|------------|
| CF 500 = <u>PP070421.D</u> |     | CF 250 = <u>PP070422.D</u>  |            | CF 050 = <u>PP070423.D</u> |            |            |            |
| COMPOUND                   |     | CF 1000                     | CF 750     | CF 500                     | CF 250     | CF 050     | % RSD      |
| Aroclor-1016-1             | (1) | 46284919                    | 48624555   | 51195480                   | 56320148   | 56830900   | 51851200   |
| Aroclor-1016-2             | (2) | 68727144                    | 72260815   | 75092688                   | 79473188   | 62170340   | 71544835   |
| Aroclor-1016-3             | (3) | 41881157                    | 43836071   | 46346194                   | 49629608   | 45996640   | 45537934   |
| Aroclor-1016-4             | (4) | 34693414                    | 37117197   | 39579046                   | 42287028   | 41512180   | 39037773   |
| Aroclor-1016-5             | (5) | 32535779                    | 33720589   | 35503344                   | 36571056   | 34779300   | 34622014   |
| Aroclor-1260-1             | (1) | 55067637                    | 58265401   | 60660348                   | 63250936   | 56446720   | 58738208   |
| Aroclor-1260-2             | (2) | 75483004                    | 79277409   | 82983970                   | 87347188   | 85123440   | 82043002   |
| Aroclor-1260-3             | (3) | 62678610                    | 64989695   | 68010270                   | 70682128   | 62427680   | 65757677   |
| Aroclor-1260-4             | (4) | 60990738                    | 64683661   | 66152948                   | 69503548   | 65382940   | 65342767   |
| Aroclor-1260-5             | (5) | 130557968                   | 135103443  | 140419232                  | 146528904  | 130778620  | 136677633  |
| Decachlorobiphenyl         |     | 1005446690                  | 1044219213 | 1084386360                 | 1134008440 | 1043654800 | 1062343101 |
| Tetrachloro-m-xylene       |     | 1462968010                  | 1529300040 | 1575427920                 | 1661278640 | 1547936200 | 1555382162 |
| Aroclor-1232-1             | (1) | 31812517                    | 33409335   | 34815870                   | 38072588   | 39676960   | 35557454   |
| Aroclor-1232-2             | (2) | 16331114                    | 17367928   | 17709532                   | 17293972   | 15638140   | 16868137   |
| Aroclor-1232-3             | (3) | 33685372                    | 35206453   | 37651060                   | 39178940   | 37126640   | 36569693   |
| Aroclor-1232-4             | (4) | 17112653                    | 18207945   | 18881288                   | 20579940   | 20189680   | 18994301   |
| Aroclor-1232-5             | (5) | 12358074                    | 13019340   | 13596998                   | 11696560   | 14140280   | 12962250   |
| Decachlorobiphenyl         |     | 1007346640                  | 1061633867 | 1110112680                 | 1150608440 | 1055455400 | 1077031405 |
| Tetrachloro-m-xylene       |     | 1503870440                  | 1587673493 | 1628432540                 | 1684437880 | 1564380200 | 1593758911 |
| Aroclor-1242-1             | (1) | 39253435                    | 41704367   | 43482132                   | 47856472   | 49946320   | 44448545   |
| Aroclor-1242-2             | (2) | 58252556                    | 60113944   | 62228844                   | 66050560   | 60258320   | 61380845   |
| Aroclor-1242-3             | (3) | 35362447                    | 36380501   | 38652894                   | 41645404   | 33464760   | 37101201   |
| Aroclor-1242-4             | (4) | 29479509                    | 30833784   | 32552722                   | 35082164   | 32717220   | 32133080   |
| Aroclor-1242-5             | (5) | 29991669                    | 31404576   | 32011208                   | 32699504   | 29130640   | 31047519   |
| Decachlorobiphenyl         |     | 1017143570                  | 1063398627 | 1098678020                 | 1146617040 | 1019213600 | 1069010171 |
| Tetrachloro-m-xylene       |     | 1483500490                  | 1538532373 | 1587702840                 | 1655080400 | 1578490200 | 1568661261 |
| Aroclor-1248-1             | (1) | 30241509                    | 31836707   | 34371560                   | 37879708   | 36450300   | 34155957   |
| Aroclor-1248-2             | (2) | 39839483                    | 41732589   | 44072986                   | 47187728   | 39403540   | 42447265   |
| Aroclor-1248-3             | (3) | 43671743                    | 45535401   | 47272778                   | 48829472   | 45433820   | 46148643   |
| Aroclor-1248-4             | (4) | 52673121                    | 54800967   | 57547552                   | 61348180   | 63586480   | 57991260   |
| Aroclor-1248-5             | (5) | 49495855                    | 52225937   | 54279376                   | 57435820   | 54999800   | 53687358   |
| Decachlorobiphenyl         |     | 1018745530                  | 1065079280 | 1110066380                 | 1164168240 | 1044426200 | 1080497126 |
| Tetrachloro-m-xylene       |     | 1464367110                  | 1509550200 | 1593080400                 | 1654989520 | 1637278400 | 1571853126 |
| Aroclor-1254-1             | (1) | 52191144                    | 54776691   | 58408862                   | 62528540   | 58393680   | 57259783   |

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|                      |     |            |            |            |            |            |            |   |
|----------------------|-----|------------|------------|------------|------------|------------|------------|---|
| Aroclor-1254-2       | (2) | 76163232   | 79292283   | 83746208   | 89006644   | 77052340   | 81052141   | 7 |
| Aroclor-1254-3       | (3) | 78867294   | 81324341   | 86343146   | 90140028   | 84184220   | 84171806   | 5 |
| Aroclor-1254-4       | (4) | 65665428   | 68036704   | 71633390   | 75767876   | 69582520   | 70137184   | 5 |
| Aroclor-1254-5       | (5) | 65604720   | 67856063   | 71049052   | 74607116   | 70169360   | 69857262   | 5 |
| Decachlorobiphenyl   |     | 1051774640 | 1084735960 | 1131757040 | 1190025520 | 1071423800 | 1105943392 | 5 |
| Tetrachloro-m-xylene |     | 1491401080 | 1547951320 | 1596952960 | 1679816880 | 1638007800 | 1590826008 | 5 |
| Aroclor-1268-1       | (1) | 188529701  | 191493623  | 201496426  | 211079324  | 198399040  | 198199623  | 4 |
| Aroclor-1268-2       | (2) | 162712211  | 165423828  | 173208520  | 180425992  | 166812140  | 169716538  | 4 |
| Aroclor-1268-3       | (3) | 139964894  | 142620983  | 149835492  | 155687892  | 143563980  | 146334648  | 4 |
| Aroclor-1268-4       | (4) | 62601215   | 63262983   | 66177076   | 67604984   | 59759620   | 63881176   | 5 |
| Aroclor-1268-5       | (5) | 401160937  | 407647449  | 423231624  | 443337256  | 421401480  | 419355749  | 4 |
| Decachlorobiphenyl   |     | 1797305300 | 1841882720 | 1928545440 | 2018232880 | 1865263000 | 1890245868 | 5 |
| Tetrachloro-m-xylene |     | 1559644910 | 1556664040 | 1644040220 | 1708675120 | 1710882200 | 1635981298 | 5 |

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**Contract:** ATCE02

**Lab Code:** CHEM **Case No.:** Q1596 **SAS No.:** Q1596 **SDG NO.:** Q1596

**Instrument ID:** ECD\_P **Calibration Date(s):** 03/11/2025 03/11/2025  
**Calibration Times:** 15:13 23:38

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

| LAB FILE ID:               |     | CF 1000 = <u>PP070419.D</u> |            | CF 750 = <u>PP070420.D</u> |            |            |            |
|----------------------------|-----|-----------------------------|------------|----------------------------|------------|------------|------------|
| CF 500 = <u>PP070421.D</u> |     | CF 250 = <u>PP070422.D</u>  |            | CF 050 = <u>PP070423.D</u> |            |            |            |
| COMPOUND                   |     | CF 1000                     | CF 750     | CF 500                     | CF 250     | CF 050     | % RSD      |
| Aroclor-1016-1             | (1) | 31619052                    | 35012463   | 36116294                   | 39457560   | 37557300   | 35952534   |
| Aroclor-1016-2             | (2) | 44662617                    | 48866077   | 51001758                   | 55603496   | 59699380   | 51966666   |
| Aroclor-1016-3             | (3) | 24906943                    | 27191785   | 28703256                   | 30683884   | 30781120   | 28453398   |
| Aroclor-1016-4             | (4) | 19770953                    | 21670935   | 22902960                   | 24389748   | 23214920   | 22389903   |
| Aroclor-1016-5             | (5) | 25646269                    | 27397575   | 29268330                   | 32409960   | 33872260   | 29718879   |
| Aroclor-1260-1             | (1) | 45267436                    | 47641613   | 50061678                   | 53643092   | 52308080   | 49784380   |
| Aroclor-1260-2             | (2) | 60652513                    | 64073769   | 66616364                   | 70066968   | 69027800   | 66087483   |
| Aroclor-1260-3             | (3) | 52248928                    | 55432315   | 57823148                   | 61011000   | 59471320   | 57197342   |
| Aroclor-1260-4             | (4) | 47067710                    | 49841909   | 53961982                   | 55559372   | 49386640   | 51163523   |
| Aroclor-1260-5             | (5) | 123950775                   | 130046140  | 135804906                  | 136761852  | 117362580  | 128785251  |
| Decachlorobiphenyl         |     | 935400030                   | 944501173  | 996009380                  | 1027099200 | 988797000  | 978361357  |
| Tetrachloro-m-xylene       |     | 901898260                   | 976425347  | 1019517980                 | 1052535320 | 1061027800 | 1002280941 |
| Aroclor-1232-1             | (1) | 23977464                    | 25043855   | 25876362                   | 28218616   | 28432280   | 26309715   |
| Aroclor-1232-2             | (2) | 23409194                    | 24148587   | 25178540                   | 27689696   | 28634420   | 25812087   |
| Aroclor-1232-3             | (3) | 12864968                    | 13117912   | 13753150                   | 14320588   | 15988100   | 14008944   |
| Aroclor-1232-4             | (4) | 10909254                    | 11094221   | 11677434                   | 12331552   | 12548800   | 11712252   |
| Aroclor-1232-5             | (5) | 12122932                    | 12663212   | 13051746                   | 13538632   | 13963480   | 13068000   |
| Decachlorobiphenyl         |     | 923591970                   | 934486067  | 965069440                  | 1131453800 | 1083832600 | 1007686775 |
| Tetrachloro-m-xylene       |     | 981294310                   | 1023698747 | 1027014040                 | 1102661240 | 1188146200 | 1064562907 |
| Aroclor-1242-1             | (1) | 28374294                    | 28991207   | 30174104                   | 32528448   | 32989020   | 30611415   |
| Aroclor-1242-2             | (2) | 40120133                    | 40663773   | 41940388                   | 45612680   | 49650880   | 43597571   |
| Aroclor-1242-3             | (3) | 22172127                    | 22503904   | 23797688                   | 25561184   | 25126720   | 23832325   |
| Aroclor-1242-4             | (4) | 20777408                    | 21261321   | 22368954                   | 23941300   | 21863540   | 22042505   |
| Aroclor-1242-5             | (5) | 26011255                    | 26949576   | 28142034                   | 29660872   | 28841860   | 27921119   |
| Decachlorobiphenyl         |     | 890780220                   | 996610280  | 1018649180                 | 1070124720 | 1151487200 | 1025530320 |
| Tetrachloro-m-xylene       |     | 949681240                   | 969479187  | 1000171980                 | 1041407720 | 1043402000 | 1000828425 |
| Aroclor-1248-1             | (1) | 21916865                    | 22139940   | 24138102                   | 25281632   | 23901120   | 23475532   |
| Aroclor-1248-2             | (2) | 28154371                    | 29147072   | 31604814                   | 33306732   | 34304240   | 31303446   |
| Aroclor-1248-3             | (3) | 29522180                    | 30421332   | 32954472                   | 34362676   | 31347200   | 31721572   |
| Aroclor-1248-4             | (4) | 34974296                    | 35760019   | 38441344                   | 40862964   | 44827240   | 38973173   |
| Aroclor-1248-5             | (5) | 34216861                    | 35543065   | 38522800                   | 40509348   | 41641320   | 38086679   |
| Decachlorobiphenyl         |     | 933290630                   | 982033680  | 1000188180                 | 1068098600 | 1015594400 | 999841098  |
| Tetrachloro-m-xylene       |     | 948607640                   | 978544213  | 1031768560                 | 1070844800 | 1068084800 | 1019570003 |
| Aroclor-1254-1             | (1) | 49741488                    | 53083060   | 56518628                   | 60344088   | 61926700   | 56322793   |

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|                      |     |            |            |            |            |            |            |   |
|----------------------|-----|------------|------------|------------|------------|------------|------------|---|
| Aroclor-1254-2       | (2) | 43195538   | 45981229   | 48525194   | 52438220   | 54392240   | 48906484   | 9 |
| Aroclor-1254-3       | (3) | 69004581   | 72181184   | 75732026   | 81417896   | 78754240   | 75417985   | 7 |
| Aroclor-1254-4       | (4) | 48529875   | 50966111   | 53417608   | 57048936   | 53797000   | 52751906   | 6 |
| Aroclor-1254-5       | (5) | 63254548   | 65263447   | 68912458   | 73214624   | 74627960   | 69054607   | 7 |
| Decachlorobiphenyl   |     | 966187920  | 982212947  | 1086993960 | 1153126680 | 1151501200 | 1068004541 | 8 |
| Tetrachloro-m-xylene |     | 967205180  | 984098413  | 1019987640 | 1086171680 | 989309800  | 1009354543 | 5 |
| Aroclor-1268-1       | (1) | 168373725  | 166057156  | 179047242  | 187011272  | 174871700  | 175072219  | 5 |
| Aroclor-1268-2       | (2) | 142006892  | 140092196  | 149842434  | 153490708  | 144862740  | 146058994  | 4 |
| Aroclor-1268-3       | (3) | 125351560  | 120465205  | 129564250  | 133099628  | 133160800  | 128328289  | 4 |
| Aroclor-1268-4       | (4) | 54287293   | 53233979   | 56809814   | 58479952   | 52090820   | 54980372   | 5 |
| Aroclor-1268-5       | (5) | 364151928  | 362236821  | 378313444  | 380892964  | 354578080  | 368034647  | 3 |
| Decachlorobiphenyl   |     | 1632116030 | 1658280453 | 1742317540 | 1836812000 | 1806314000 | 1735168005 | 5 |
| Tetrachloro-m-xylene |     | 1019432100 | 1034489600 | 1102868440 | 1184868600 | 1114308600 | 1091193468 | 6 |