

**CALIBRATION FACTOR OF INITIAL CALIBRATION**

**Contract:** PORT06

**Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

**Instrument ID:** ECD\_P **Calibration Date(s):** 05/19/2025 05/19/2025  
**Calibration Times:** 09:42 18:25

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

| LAB FILE ID:               |     | CF 1000 = <u>PP072164.D</u> |            | CF 750 = <u>PP072165.D</u> |            |            |            |
|----------------------------|-----|-----------------------------|------------|----------------------------|------------|------------|------------|
| CF 500 = <u>PP072166.D</u> |     | CF 250 = <u>PP072167.D</u>  |            | CF 050 = <u>PP072168.D</u> |            |            |            |
| COMPOUND                   |     | CF 1000                     | CF 750     | CF 500                     | CF 250     | CF 050     | % RSD      |
| Aroclor-1016-1             | (1) | 66878491                    | 69828851   | 76010044                   | 83211968   | 79488900   | 75083651   |
| Aroclor-1016-2             | (2) | 99468528                    | 104467549  | 110518222                  | 118579572  | 101924480  | 106991670  |
| Aroclor-1016-3             | (3) | 61412187                    | 64234915   | 67714060                   | 73550892   | 60912680   | 65564947   |
| Aroclor-1016-4             | (4) | 50363803                    | 53404009   | 55311866                   | 58220708   | 49049560   | 53269989   |
| Aroclor-1016-5             | (5) | 45437165                    | 47941741   | 49914606                   | 51189784   | 50062640   | 48909187   |
| Aroclor-1260-1             | (1) | 85553757                    | 90346417   | 93957158                   | 98060904   | 100055640  | 93594775   |
| Aroclor-1260-2             | (2) | 135650987                   | 137755076  | 143609204                  | 149400496  | 151032820  | 143489717  |
| Aroclor-1260-3             | (3) | 109042220                   | 112821207  | 117388622                  | 121236852  | 108865120  | 113870804  |
| Aroclor-1260-4             | (4) | 102101329                   | 107107725  | 110940768                  | 114591832  | 101771400  | 107302611  |
| Aroclor-1260-5             | (5) | 228876095                   | 233706888  | 240834266                  | 249937120  | 229956720  | 236662218  |
| Decachlorobiphenyl         |     | 1538266220                  | 1617591187 | 1654764640                 | 1712186920 | 1622812600 | 1629124313 |
| Tetrachloro-m-xylene       |     | 1944699760                  | 2026562000 | 2072807240                 | 2135906680 | 1874026800 | 2010800496 |
| Aroclor-1232-1             | (1) | 44075653                    | 45896815   | 48002922                   | 48247276   | 49319600   | 47108453   |
| Aroclor-1232-2             | (2) | 21717379                    | 22928696   | 23244388                   | 23029808   | 25495660   | 23283186   |
| Aroclor-1232-3             | (3) | 46772523                    | 50148184   | 51844656                   | 54382920   | 47167260   | 50063109   |
| Aroclor-1232-4             | (4) | 23238504                    | 24146713   | 24804390                   | 26183196   | 27122440   | 25099049   |
| Aroclor-1232-5             | (5) | 15752983                    | 16470224   | 16442412                   | 18109320   | 20822780   | 17519544   |
| Decachlorobiphenyl         |     | 1545279190                  | 1600827560 | 1672901480                 | 1703701720 | 1499866000 | 1604515190 |
| Tetrachloro-m-xylene       |     | 1886122400                  | 2000973440 | 2054641840                 | 2122290120 | 1923172600 | 1997440080 |
| Aroclor-1242-1             | (1) | 56211553                    | 57323072   | 62083360                   | 65843868   | 71524840   | 62597339   |
| Aroclor-1242-2             | (2) | 82973080                    | 85971496   | 91883334                   | 97584776   | 75486540   | 86779845   |
| Aroclor-1242-3             | (3) | 51559127                    | 52121972   | 55496172                   | 57080948   | 59071260   | 55065896   |
| Aroclor-1242-4             | (4) | 41207603                    | 43030657   | 45948576                   | 46781836   | 44776460   | 44349026   |
| Aroclor-1242-5             | (5) | 47977894                    | 48696228   | 50879554                   | 52435600   | 54934800   | 50984815   |
| Decachlorobiphenyl         |     | 1526214180                  | 1567133680 | 1645977640                 | 1728993240 | 1487418400 | 1591147428 |
| Tetrachloro-m-xylene       |     | 1827808490                  | 1928927520 | 1991275140                 | 2114690400 | 1713029600 | 1915146230 |
| Aroclor-1248-1             | (1) | 44038397                    | 47472432   | 47912646                   | 51445364   | 51108500   | 48395468   |
| Aroclor-1248-2             | (2) | 56984732                    | 59400859   | 61165396                   | 63476680   | 62172680   | 60640069   |
| Aroclor-1248-3             | (3) | 64677132                    | 65813748   | 68767932                   | 70638012   | 61003720   | 66180109   |
| Aroclor-1248-4             | (4) | 81606824                    | 85304428   | 88412180                   | 92196600   | 89440360   | 87392078   |
| Aroclor-1248-5             | (5) | 77587697                    | 81003728   | 83211240                   | 86851844   | 86474060   | 83025714   |
| Decachlorobiphenyl         |     | 1573368300                  | 1599269360 | 1663196880                 | 1714969280 | 1478724200 | 1605905604 |
| Tetrachloro-m-xylene       |     | 1880240370                  | 1909383627 | 1990709860                 | 2112434560 | 1856348600 | 1949823403 |
| Aroclor-1254-1             | (1) | 79792123                    | 82783284   | 86922424                   | 91684028   | 88834440   | 86003260   |

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|                      |     |            |            |            |            |            |            |    |
|----------------------|-----|------------|------------|------------|------------|------------|------------|----|
| Aroclor-1254-2       | (2) | 120142096  | 124850076  | 131105324  | 134547092  | 142741880  | 130677294  | 7  |
| Aroclor-1254-3       | (3) | 124307316  | 127832729  | 133782854  | 136984312  | 137108200  | 132003082  | 4  |
| Aroclor-1254-4       | (4) | 116304358  | 118550812  | 124418220  | 136069712  | 157210520  | 130510724  | 13 |
| Aroclor-1254-5       | (5) | 107938622  | 112056604  | 116315218  | 117138120  | 102784720  | 111246657  | 5  |
| Decachlorobiphenyl   |     | 1576500070 | 1614032093 | 1688035380 | 1708021160 | 1475084400 | 1612334621 | 6  |
| Tetrachloro-m-xylene |     | 1869066560 | 1948875347 | 2032435420 | 2069900400 | 1617536400 | 1907562825 | 9  |
| Aroclor-1268-1       | (1) | 315692357  | 322966827  | 337626016  | 351356792  | 338115380  | 333151474  | 4  |
| Aroclor-1268-2       | (2) | 265886956  | 272371317  | 285215132  | 296487980  | 279979560  | 279988189  | 4  |
| Aroclor-1268-3       | (3) | 227961300  | 235081659  | 247250176  | 255747588  | 241284760  | 241465097  | 4  |
| Aroclor-1268-4       | (4) | 101392203  | 104765767  | 107968348  | 108360296  | 102254740  | 104948271  | 3  |
| Aroclor-1268-5       | (5) | 651541042  | 667177075  | 686960040  | 706355632  | 672967440  | 677000246  | 3  |
| Decachlorobiphenyl   |     | 2733685450 | 2815599213 | 2937966700 | 3038738360 | 2636754200 | 2832548785 | 6  |
| Tetrachloro-m-xylene |     | 1849618000 | 1900065360 | 1995699220 | 2054630680 | 1744336400 | 1908869932 | 6  |

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**Contract:** PORT06

**Lab Code:** CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

**Instrument ID:** ECD\_P **Calibration Date(s):** 05/19/2025 05/19/2025  
**Calibration Times:** 09:42 18:25

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

| LAB FILE ID:               |     | CF 1000 = <u>PP072164.D</u> |            | CF 750 = <u>PP072165.D</u> |            |            |            |
|----------------------------|-----|-----------------------------|------------|----------------------------|------------|------------|------------|
| CF 500 = <u>PP072166.D</u> |     | CF 250 = <u>PP072167.D</u>  |            | CF 050 = <u>PP072168.D</u> |            |            |            |
| COMPOUND                   |     | CF 1000                     | CF 750     | CF 500                     | CF 250     | CF 050     | % RSD      |
| Aroclor-1016-1             | (1) | 54525663                    | 58849481   | 59632288                   | 64515432   | 69624760   | 61429525   |
| Aroclor-1016-2             | (2) | 79772717                    | 86154421   | 85288758                   | 92453296   | 95277560   | 87789350   |
| Aroclor-1016-3             | (3) | 42641318                    | 46352395   | 47330430                   | 50989192   | 50959120   | 47654491   |
| Aroclor-1016-4             | (4) | 33654246                    | 36754908   | 37811202                   | 41521120   | 40485160   | 38045327   |
| Aroclor-1016-5             | (5) | 43791070                    | 47744144   | 49105368                   | 53701332   | 54780200   | 49824423   |
| Aroclor-1260-1             | (1) | 72244144                    | 75307759   | 80373306                   | 84844232   | 85999160   | 79753720   |
| Aroclor-1260-2             | (2) | 87664004                    | 90365408   | 98490088                   | 104924488  | 125666920  | 101422182  |
| Aroclor-1260-3             | (3) | 79909091                    | 81326363   | 88937536                   | 92494016   | 91844780   | 86902357   |
| Aroclor-1260-4             | (4) | 64349922                    | 67685321   | 72647720                   | 77711116   | 78060640   | 72090944   |
| Aroclor-1260-5             | (5) | 161315528                   | 166937577  | 177635780                  | 187517596  | 174713540  | 173624004  |
| Decachlorobiphenyl         |     | 920208980                   | 1044964960 | 1093136160                 | 1163579000 | 1071118200 | 1058601460 |
| Tetrachloro-m-xylene       |     | 1547649930                  | 1584243107 | 1593704220                 | 1639561360 | 1626633000 | 1598358323 |
| Aroclor-1232-1             | (1) | 37616932                    | 40592059   | 45290150                   | 47667724   | 45555860   | 43344545   |
| Aroclor-1232-2             | (2) | 39358353                    | 42024527   | 44532022                   | 47402620   | 47585980   | 44180700   |
| Aroclor-1232-3             | (3) | 20796080                    | 22347549   | 23808552                   | 25172964   | 24790340   | 23383097   |
| Aroclor-1232-4             | (4) | 17897124                    | 19415229   | 20680720                   | 21689292   | 23918420   | 20720157   |
| Aroclor-1232-5             | (5) | 19472370                    | 21237964   | 22534450                   | 24219412   | 28307940   | 23154427   |
| Decachlorobiphenyl         |     | 991061470                   | 1069964400 | 1120483020                 | 1147415120 | 1151969600 | 1096178722 |
| Tetrachloro-m-xylene       |     | 1503650850                  | 1560846907 | 1685979140                 | 1671096560 | 1578260800 | 1599966851 |
| Aroclor-1242-1             | (1) | 46123670                    | 49902476   | 52843000                   | 57237560   | 54435320   | 52108405   |
| Aroclor-1242-2             | (2) | 66003789                    | 71039361   | 75471286                   | 80940564   | 74026140   | 73496228   |
| Aroclor-1242-3             | (3) | 34394227                    | 38777200   | 41064482                   | 44714476   | 36677280   | 39125533   |
| Aroclor-1242-4             | (4) | 32146418                    | 36854119   | 38826456                   | 43192656   | 36894340   | 37582798   |
| Aroclor-1242-5             | (5) | 41776015                    | 46613400   | 48754570                   | 54226988   | 49917340   | 48257663   |
| Decachlorobiphenyl         |     | 967171680                   | 1074707920 | 1046164720                 | 1163123680 | 1078294400 | 1065892480 |
| Tetrachloro-m-xylene       |     | 1545621850                  | 1670448987 | 1600956100                 | 1623877080 | 1377345600 | 1563649923 |
| Aroclor-1248-1             | (1) | 38942472                    | 38080832   | 42980810                   | 46736940   | 49867020   | 43321615   |
| Aroclor-1248-2             | (2) | 50685144                    | 49386624   | 55814958                   | 61079164   | 65420760   | 56477330   |
| Aroclor-1248-3             | (3) | 53612101                    | 51937139   | 58301874                   | 64007240   | 67677000   | 59107071   |
| Aroclor-1248-4             | (4) | 63542852                    | 61081784   | 68799052                   | 75621092   | 79219440   | 69652844   |
| Aroclor-1248-5             | (5) | 63751699                    | 62374025   | 69241268                   | 74501112   | 78829180   | 69739457   |
| Decachlorobiphenyl         |     | 1077930460                  | 1066864453 | 1129616840                 | 1218519160 | 1187538600 | 1136093903 |
| Tetrachloro-m-xylene       |     | 1585370290                  | 1544149787 | 1686359520                 | 1807980440 | 1717995000 | 1668371007 |
| Aroclor-1254-1             | (1) | 88394708                    | 92134828   | 103452628                  | 109580892  | 106208260  | 99954263   |

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|                      |     |            |            |            |            |            |            |    |
|----------------------|-----|------------|------------|------------|------------|------------|------------|----|
| Aroclor-1254-2       | (2) | 75158218   | 78808232   | 90151838   | 93786952   | 93629340   | 86306916   | 10 |
| Aroclor-1254-3       | (3) | 118588697  | 123091027  | 137573488  | 140955076  | 122895140  | 128620686  | 8  |
| Aroclor-1254-4       | (4) | 76184182   | 79817879   | 90049888   | 92363636   | 88066400   | 85296397   | 8  |
| Aroclor-1254-5       | (5) | 103321222  | 111630831  | 120507404  | 120857332  | 110441220  | 113351602  | 7  |
| Decachlorobiphenyl   |     | 1048618240 | 1081081133 | 1110321040 | 1211638680 | 1138223000 | 1117976419 | 6  |
| Tetrachloro-m-xylene |     | 1515554540 | 1677026120 | 1758978840 | 1703246040 | 1394379800 | 1609837068 | 9  |
| Aroclor-1268-1       | (1) | 212587803  | 222334836  | 235771254  | 243664628  | 256729280  | 234217560  | 7  |
| Aroclor-1268-2       | (2) | 188526781  | 196925783  | 208389682  | 217661736  | 222594360  | 206819668  | 7  |
| Aroclor-1268-3       | (3) | 155195263  | 161035703  | 174669460  | 176674312  | 179279020  | 169370752  | 6  |
| Aroclor-1268-4       | (4) | 67370219   | 71019111   | 74855072   | 76562592   | 74977520   | 72956903   | 5  |
| Aroclor-1268-5       | (5) | 431064337  | 442819956  | 457037218  | 461770552  | 492119380  | 456962289  | 5  |
| Decachlorobiphenyl   |     | 1753973260 | 1820277787 | 1902401960 | 1966032280 | 2130248600 | 1914586777 | 8  |
| Tetrachloro-m-xylene |     | 1581658390 | 1604094987 | 1649636500 | 1662342440 | 1498230000 | 1599192463 | 4  |