

**CALIBRATION FACTOR OF INITIAL CALIBRATION**

**Contract:** GENV01

**Lab Code:** CHEM **Case No.:** Q1447 **SAS No.:** Q1447 **SDG NO.:** Q1447

**Instrument ID:** ECD\_O **Calibration Date(s):** 02/20/2025 02/21/2025  
**Calibration Times:** 16:46 01:02

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

| LAB FILE ID:               |     | CF 1000 = <u>PO109426.D</u> |            | CF 750 = <u>PO109427.D</u> |            |            |            |
|----------------------------|-----|-----------------------------|------------|----------------------------|------------|------------|------------|
| CF 500 = <u>PO109428.D</u> |     | CF 250 = <u>PO109429.D</u>  |            | CF 050 = <u>PO109430.D</u> |            |            |            |
| COMPOUND                   |     | CF 1000                     | CF 750     | CF 500                     | CF 250     | CF 050     | % RSD      |
| Aroclor-1016-1             | (1) | 285955176                   | 296470909  | 301678880                  | 330073932  | 327272520  | 308290283  |
| Aroclor-1016-2             | (2) | 400344510                   | 409149469  | 414645114                  | 446605912  | 434387780  | 421026557  |
| Aroclor-1016-3             | (3) | 275712654                   | 284750529  | 289403798                  | 321232168  | 307985600  | 295816950  |
| Aroclor-1016-4             | (4) | 217819857                   | 224475380  | 225979744                  | 249359212  | 241266360  | 231780111  |
| Aroclor-1016-5             | (5) | 234915990                   | 244172492  | 252269048                  | 280073416  | 279718840  | 258229957  |
| Aroclor-1260-1             | (1) | 432857882                   | 445030616  | 458030860                  | 496965692  | 497771560  | 466131322  |
| Aroclor-1260-2             | (2) | 530613873                   | 540598143  | 549997768                  | 596865796  | 607516180  | 565118352  |
| Aroclor-1260-3             | (3) | 446055940                   | 458685821  | 463532386                  | 505033376  | 504998020  | 475661109  |
| Aroclor-1260-4             | (4) | 409227231                   | 417077069  | 426071740                  | 458083200  | 447546300  | 431601108  |
| Aroclor-1260-5             | (5) | 975246933                   | 982402905  | 1001465846                 | 1034939896 | 975352280  | 993881572  |
| Decachlorobiphenyl         |     | 8144381710                  | 8253336907 | 8542716440                 | 9068866760 | 9000001000 | 8601860563 |
| Tetrachloro-m-xylene       |     | 9594159870                  | 9382441773 | 9407964980                 | 9839303320 | 9101752600 | 9465124509 |
| Aroclor-1242-1             | (1) | 241553792                   | 248781753  | 263582376                  | 278206104  | 276700060  | 261764817  |
| Aroclor-1242-2             | (2) | 330250979                   | 341141312  | 360022594                  | 377835792  | 370979720  | 356046079  |
| Aroclor-1242-3             | (3) | 230958690                   | 239403319  | 256570990                  | 271941764  | 257976860  | 251370325  |
| Aroclor-1242-4             | (4) | 181873604                   | 188232188  | 200194694                  | 210194852  | 201763980  | 196451864  |
| Aroclor-1242-5             | (5) | 192196869                   | 198312276  | 212424054                  | 232317448  | 236630280  | 214376185  |
| Decachlorobiphenyl         |     | 7571460160                  | 7783053733 | 8197005760                 | 8686332120 | 8704566000 | 8188483555 |
| Tetrachloro-m-xylene       |     | 9236931880                  | 9400204853 | 9446860340                 | 9568057960 | 9056865000 | 9341784007 |
| Aroclor-1248-1             | (1) | 183385441                   | 189253437  | 200901320                  | 213658596  | 210346400  | 199509039  |
| Aroclor-1248-2             | (2) | 249519113                   | 262229969  | 281655510                  | 299590856  | 298458120  | 278290714  |
| Aroclor-1248-3             | (3) | 313646829                   | 324719312  | 346217716                  | 370103360  | 392176240  | 349372691  |
| Aroclor-1248-4             | (4) | 439951399                   | 452724037  | 479184310                  | 509535492  | 504078340  | 477094716  |
| Aroclor-1248-5             | (5) | 310476659                   | 318507132  | 337630456                  | 365736804  | 380196620  | 342509534  |
| Decachlorobiphenyl         |     | 7703959900                  | 7913043760 | 8337132500                 | 8816038680 | 8879579800 | 8329950928 |
| Tetrachloro-m-xylene       |     | 9154374770                  | 9319706587 | 9763537060                 | 9884300480 | 9250244600 | 9474432699 |
| Aroclor-1254-1             | (1) | 480630669                   | 491242291  | 514290722                  | 548494120  | 543375540  | 515606668  |
| Aroclor-1254-2             | (2) | 417535343                   | 429223996  | 451482582                  | 481224324  | 472406420  | 450374533  |
| Aroclor-1254-3             | (3) | 684838056                   | 697322969  | 725628940                  | 760808456  | 711178620  | 715955408  |
| Aroclor-1254-4             | (4) | 417970360                   | 409808872  | 428749386                  | 461366848  | 376062040  | 418791501  |
| Aroclor-1254-5             | (5) | 597298518                   | 608943563  | 631623464                  | 663830224  | 617819000  | 623902954  |
| Decachlorobiphenyl         |     | 7967092830                  | 8125756000 | 8528343640                 | 8986366600 | 8782372000 | 8477986214 |
| Tetrachloro-m-xylene       |     | 9511051460                  | 9602004080 | 9843620680                 | 9994457760 | 8495604200 | 9489347636 |
| Aroclor-1268-1             | (1) | 1298860853                  | 1294002563 | 1318124330                 | 1365675636 | 1344427900 | 1324218256 |

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|                      |     |             |             |             |             |             |             |   |
|----------------------|-----|-------------|-------------|-------------|-------------|-------------|-------------|---|
| Aroclor-1268-2       | (2) | 1196326079  | 1189492827  | 1207881780  | 1246550744  | 1205280700  | 1209106426  | 2 |
| Aroclor-1268-3       | (3) | 1000400149  | 998939115   | 1012813102  | 1049647308  | 1029090160  | 1018177967  | 2 |
| Aroclor-1268-4       | (4) | 407507962   | 408969772   | 420298422   | 442140308   | 445377360   | 424858765   | 4 |
| Aroclor-1268-5       | (5) | 3060378797  | 3013397139  | 3036609122  | 3075360324  | 2912511720  | 3019651420  | 2 |
| Decachlorobiphenyl   |     | 14147642890 | 14125651173 | 14472115980 | 15180190720 | 15441285400 | 14673377233 | 4 |
| Tetrachloro-m-xylene |     | 9652630020  | 9799388160  | 9953085600  | 10360200640 | 9708060200  | 9894672924  | 3 |

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**Contract:** GENV01

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**Instrument ID:** ECD\_O **Calibration Date(s):** 02/20/2025 02/21/2025  
**Calibration Times:** 16:46 01:02

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

| LAB FILE ID:               |     | CF 1000 = <u>PO109426.D</u> |            | CF 750 = <u>PO109427.D</u> |            |            |       |
|----------------------------|-----|-----------------------------|------------|----------------------------|------------|------------|-------|
| CF 500 = <u>PO109428.D</u> |     | CF 250 = <u>PO109429.D</u>  |            | CF 050 = <u>PO109430.D</u> |            |            |       |
| COMPOUND                   |     | CF 1000                     | CF 750     | CF 500                     | CF 250     | CF 050     | % RSD |
| Aroclor-1016-1             | (1) | 144422659                   | 148428763  | 152032096                  | 167484860  | 168484300  | 7     |
| Aroclor-1016-2             | (2) | 205202725                   | 208508729  | 213432994                  | 229519564  | 225505040  | 5     |
| Aroclor-1016-3             | (3) | 112302196                   | 115067393  | 117212622                  | 128579748  | 124094120  | 6     |
| Aroclor-1016-4             | (4) | 94709981                    | 98717735   | 101165102                  | 112923876  | 112836120  | 8     |
| Aroclor-1016-5             | (5) | 124417087                   | 127943616  | 132644098                  | 146345704  | 149917060  | 8     |
| Aroclor-1260-1             | (1) | 217936136                   | 223782013  | 232739904                  | 251644640  | 258495520  | 7     |
| Aroclor-1260-2             | (2) | 255563339                   | 259366392  | 268832038                  | 291215424  | 300878620  | 7     |
| Aroclor-1260-3             | (3) | 239301078                   | 242165468  | 249897958                  | 270279452  | 273707020  | 6     |
| Aroclor-1260-4             | (4) | 193987222                   | 196916529  | 202218624                  | 218214048  | 219624820  | 6     |
| Aroclor-1260-5             | (5) | 436097628                   | 435546231  | 443785112                  | 464386884  | 459099080  | 3     |
| Decachlorobiphenyl         |     | 2971514290                  | 3027039307 | 3156019460                 | 3385128400 | 3381593200 | 6     |
| Tetrachloro-m-xylene       |     | 5186272490                  | 5246400280 | 5221242400                 | 5478386840 | 5038748400 | 3     |
| Aroclor-1242-1             | (1) | 120966720                   | 124746516  | 133128702                  | 141428800  | 141463920  | 7     |
| Aroclor-1242-2             | (2) | 169605960                   | 173512545  | 183266616                  | 192017376  | 189176180  | 5     |
| Aroclor-1242-3             | (3) | 93390359                    | 96634075   | 102245092                  | 107691940  | 99411220   | 5     |
| Aroclor-1242-4             | (4) | 96389066                    | 101019272  | 107789002                  | 115338428  | 114056640  | 8     |
| Aroclor-1242-5             | (5) | 113196636                   | 117716005  | 125239314                  | 135801980  | 136573300  | 8     |
| Decachlorobiphenyl         |     | 2727823240                  | 2861750760 | 3019178360                 | 3243379080 | 3243962600 | 8     |
| Tetrachloro-m-xylene       |     | 5001213420                  | 5078322907 | 5254229320                 | 5289448280 | 4851665000 | 4     |
| Aroclor-1248-1             | (1) | 91256927                    | 94139561   | 100767396                  | 107614600  | 108857060  | 8     |
| Aroclor-1248-2             | (2) | 130560541                   | 136645137  | 146421094                  | 157143508  | 156628300  | 8     |
| Aroclor-1248-3             | (3) | 139283148                   | 144897643  | 155701690                  | 166430352  | 168727860  | 8     |
| Aroclor-1248-4             | (4) | 163903044                   | 169411200  | 180364434                  | 193711724  | 196594760  | 8     |
| Aroclor-1248-5             | (5) | 154356880                   | 158447996  | 169575560                  | 183331920  | 195308840  | 10    |
| Decachlorobiphenyl         |     | 2790488700                  | 2873613467 | 3038569420                 | 3241156720 | 3294897400 | 7     |
| Tetrachloro-m-xylene       |     | 4955293160                  | 5040468413 | 5221131320                 | 5264696400 | 4750589600 | 4     |
| Aroclor-1254-1             | (1) | 243640751                   | 248872624  | 260914738                  | 280861344  | 273402140  | 6     |
| Aroclor-1254-2             | (2) | 212545511                   | 218679507  | 230680254                  | 249214456  | 261687520  | 9     |
| Aroclor-1254-3             | (3) | 339799719                   | 346366689  | 360950750                  | 378906048  | 357499640  | 4     |
| Aroclor-1254-4             | (4) | 192329190                   | 189854227  | 199746634                  | 214807996  | 168878980  | 9     |
| Aroclor-1254-5             | (5) | 278490681                   | 283928981  | 296376396                  | 314100456  | 310764660  | 5     |
| Decachlorobiphenyl         |     | 2841760820                  | 2921691133 | 3072525860                 | 3310057280 | 3280037800 | 7     |
| Tetrachloro-m-xylene       |     | 5117525260                  | 5147853200 | 5214583540                 | 5337931960 | 4481650800 | 7     |
| Aroclor-1268-1             | (1) | 554131487                   | 553810328  | 564174560                  | 591076320  | 593868340  | 3     |

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|                      |     |            |            |            |            |            |            |   |
|----------------------|-----|------------|------------|------------|------------|------------|------------|---|
| Aroclor-1268-2       | (2) | 512614105  | 511079256  | 520949472  | 543420336  | 536655740  | 524943782  | 3 |
| Aroclor-1268-3       | (3) | 413643589  | 412567932  | 420525622  | 442592008  | 450889440  | 428043718  | 4 |
| Aroclor-1268-4       | (4) | 153729603  | 155030577  | 163078820  | 169661456  | 165174880  | 161335067  | 4 |
| Aroclor-1268-5       | (5) | 1087226853 | 1077982207 | 1085826158 | 1121186428 | 1093500600 | 1093144449 | 2 |
| Decachlorobiphenyl   |     | 4950835750 | 4972853373 | 5123922200 | 5430816080 | 5582978400 | 5212281161 | 5 |
| Tetrachloro-m-xylene |     | 5266816140 | 5271127760 | 5328349480 | 5507659840 | 5128975000 | 5300585644 | 3 |