

**CALIBRATION FACTOR OF INITIAL CALIBRATION**

**Contract:** EART12

**Lab Code:** CHEM **Case No.:** P5217 **SAS No.:** P5217 **SDG NO.:** P5217

**Instrument ID:** ECD\_O **Calibration Date(s):** 12/06/2024 12/06/2024

**Calibration Times:** 14:19 22:34

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

| LAB FILE ID:               |     | CF 1000 = <u>PO108362.D</u> |            | CF 750 = <u>PO108363.D</u> |            |            |       |
|----------------------------|-----|-----------------------------|------------|----------------------------|------------|------------|-------|
| CF 500 = <u>PO108364.D</u> |     | CF 250 = <u>PO108365.D</u>  |            | CF 050 = <u>PO108366.D</u> |            |            |       |
| COMPOUND                   |     | CF 1000                     | CF 750     | CF 500                     | CF 250     | CF 050     | % RSD |
| Aroclor-1016-1             | (1) | 291946997                   | 297743768  | 310620664                  | 319628964  | 322276700  | 4     |
| Aroclor-1016-2             | (2) | 404548343                   | 410201719  | 419086158                  | 434302728  | 418957120  | 3     |
| Aroclor-1016-3             | (3) | 276313882                   | 283350735  | 295214768                  | 305005424  | 303271420  | 4     |
| Aroclor-1016-4             | (4) | 219460370                   | 224028880  | 231955104                  | 239248200  | 241192240  | 4     |
| Aroclor-1016-5             | (5) | 230837381                   | 238568924  | 249276722                  | 260302648  | 279364560  | 8     |
| Aroclor-1260-1             | (1) | 430087746                   | 435401064  | 458150304                  | 486996644  | 475087940  | 5     |
| Aroclor-1260-2             | (2) | 526959551                   | 526383048  | 555764632                  | 590931960  | 578558580  | 5     |
| Aroclor-1260-3             | (3) | 436965341                   | 443883275  | 464184392                  | 487588856  | 485769460  | 5     |
| Aroclor-1260-4             | (4) | 403312630                   | 406530869  | 426472890                  | 444299896  | 446086500  | 5     |
| Aroclor-1260-5             | (5) | 957132439                   | 955503789  | 984649950                  | 1000570432 | 961557080  | 2     |
| Decachlorobiphenyl         |     | 7019975940                  | 7102279760 | 7343195240                 | 7645101200 | 7409935200 | 3     |
| Tetrachloro-m-xylene       |     | 8754554380                  | 8783699800 | 8926447760                 | 8858353120 | 8177601800 | 3     |
| Aroclor-1242-1             | (1) | 247125512                   | 244458381  | 250566506                  | 269052152  | 275422740  | 5     |
| Aroclor-1242-2             | (2) | 337820704                   | 332549081  | 339649972                  | 356992284  | 358797680  | 3     |
| Aroclor-1242-3             | (3) | 232389462                   | 228960781  | 237971694                  | 251417972  | 255318460  | 5     |
| Aroclor-1242-4             | (4) | 184244210                   | 179103536  | 186955244                  | 196540012  | 206728220  | 6     |
| Aroclor-1242-5             | (5) | 194011522                   | 194743607  | 197474576                  | 218140108  | 233983940  | 9     |
| Decachlorobiphenyl         |     | 7151632520                  | 7167100640 | 7259242160                 | 7695082840 | 7616154000 | 4     |
| Tetrachloro-m-xylene       |     | 8921368150                  | 8691850413 | 8750108140                 | 8842570400 | 8500038400 | 2     |
| Aroclor-1248-1             | (1) | 180443308                   | 190883876  | 199902132                  | 213303984  | 216831760  | 8     |
| Aroclor-1248-2             | (2) | 246301061                   | 262357348  | 276907834                  | 298582396  | 301778920  | 9     |
| Aroclor-1248-3             | (3) | 307776547                   | 326479597  | 342321706                  | 362333244  | 366087160  | 7     |
| Aroclor-1248-4             | (4) | 437732929                   | 457834677  | 479474244                  | 502800428  | 504795820  | 6     |
| Aroclor-1248-5             | (5) | 308766537                   | 323271540  | 339143702                  | 357998428  | 363873980  | 7     |
| Decachlorobiphenyl         |     | 7041971050                  | 7340001867 | 7677772660                 | 8334328560 | 8377267200 | 8     |
| Tetrachloro-m-xylene       |     | 8742483090                  | 9116744787 | 9342439560                 | 9446963040 | 8577776400 | 4     |
| Aroclor-1254-1             | (1) | 463230517                   | 487037587  | 512031514                  | 533861324  | 572040640  | 8     |
| Aroclor-1254-2             | (2) | 407035308                   | 429134731  | 452892530                  | 476390932  | 511836900  | 9     |
| Aroclor-1254-3             | (3) | 665923649                   | 695083201  | 726473802                  | 743208540  | 769953480  | 6     |
| Aroclor-1254-4             | (4) | 404280854                   | 421077525  | 444268156                  | 458648100  | 465789400  | 6     |
| Aroclor-1254-5             | (5) | 578915300                   | 604639081  | 636092894                  | 662542188  | 693421140  | 7     |
| Decachlorobiphenyl         |     | 7146512650                  | 7451889427 | 7845842200                 | 8029803560 | 8289288000 | 6     |
| Tetrachloro-m-xylene       |     | 8916956510                  | 9205112240 | 9483653100                 | 9313097600 | 8995829000 | 3     |
| Aroclor-1268-1             | (1) | 1246089127                  | 1198545457 | 1234114434                 | 1276827264 | 1264498100 | 2     |

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|                      |     |             |             |             |             |             |             |   |
|----------------------|-----|-------------|-------------|-------------|-------------|-------------|-------------|---|
| Aroclor-1268-2       | (2) | 1144198522  | 1088520925  | 1112229462  | 1147435628  | 1115923840  | 1121661675  | 2 |
| Aroclor-1268-3       | (3) | 940965396   | 832346444   | 919340748   | 953365360   | 884986220   | 906200834   | 5 |
| Aroclor-1268-4       | (4) | 385949324   | 370268229   | 384086808   | 404665236   | 389544200   | 386902759   | 3 |
| Aroclor-1268-5       | (5) | 2890019913  | 2756282528  | 2773652360  | 2815336668  | 2624622080  | 2771982710  | 4 |
| Decachlorobiphenyl   |     | 13116054520 | 12684928373 | 12985206200 | 13660251040 | 13550255000 | 13199339027 | 3 |
| Tetrachloro-m-xylene |     | 9439924600  | 8926085107  | 9366220020  | 9585299080  | 8679584000  | 9199422561  | 4 |

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**Contract:** EART12

**Lab Code:** CHEM **Case No.:** P5217 **SAS No.:** P5217 **SDG NO.:** P5217

**Instrument ID:** ECD\_O **Calibration Date(s):** 12/06/2024 12/06/2024

**Calibration Times:** 14:19 22:34

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

| LAB FILE ID:         |     |            |            |            |            |            |            |          |  |            |  |
|----------------------|-----|------------|------------|------------|------------|------------|------------|----------|--|------------|--|
| CF 1000 =            |     | PO108362.D |            | CF 750 =   |            | PO108363.D |            |          |  |            |  |
| CF 500 =             |     | PO108364.D |            | CF 250 =   |            | PO108365.D |            | CF 050 = |  | PO108366.D |  |
| COMPOUND             |     | CF 1000    | CF 750     | CF 500     | CF 250     | CF 050     | CF         | % RSD    |  |            |  |
| Aroclor-1016-1       | (1) | 153895169  | 156728372  | 161981056  | 169073964  | 160692820  | 160474276  | 4        |  |            |  |
| Aroclor-1016-2       | (2) | 216342839  | 218481491  | 224728354  | 232664856  | 218246400  | 222092788  | 3        |  |            |  |
| Aroclor-1016-3       | (3) | 120117826  | 122069885  | 126984464  | 131660600  | 128335340  | 125833623  | 4        |  |            |  |
| Aroclor-1016-4       | (4) | 96843518   | 100727947  | 106065160  | 112123848  | 108269060  | 104805907  | 6        |  |            |  |
| Aroclor-1016-5       | (5) | 124135109  | 128707045  | 133919966  | 139473364  | 149819760  | 135211049  | 7        |  |            |  |
| Aroclor-1260-1       | (1) | 220557751  | 224688929  | 233372252  | 247245708  | 244312440  | 234035416  | 5        |  |            |  |
| Aroclor-1260-2       | (2) | 265498816  | 268435476  | 278836448  | 291165028  | 298902840  | 280567722  | 5        |  |            |  |
| Aroclor-1260-3       | (3) | 247895049  | 250737920  | 258985508  | 271036448  | 289186460  | 263568277  | 6        |  |            |  |
| Aroclor-1260-4       | (4) | 206205103  | 207830825  | 214807128  | 221847076  | 213061100  | 212750246  | 3        |  |            |  |
| Aroclor-1260-5       | (5) | 485216265  | 483370987  | 491130416  | 498849136  | 461100640  | 483933489  | 3        |  |            |  |
| Decachlorobiphenyl   |     | 3766442770 | 3798929547 | 3925647180 | 4081005080 | 3802565400 | 3874917995 | 3        |  |            |  |
| Tetrachloro-m-xylene |     | 5125815400 | 5157614040 | 5227779180 | 5235220160 | 4600485000 | 5069382756 | 5        |  |            |  |
| Aroclor-1242-1       | (1) | 129471703  | 129065633  | 132661290  | 141454628  | 146186400  | 135767931  | 6        |  |            |  |
| Aroclor-1242-2       | (2) | 181117644  | 180316532  | 183263990  | 191612732  | 190980420  | 185458264  | 3        |  |            |  |
| Aroclor-1242-3       | (3) | 100948316  | 100485531  | 102947708  | 108518220  | 114012140  | 105382383  | 5        |  |            |  |
| Aroclor-1242-4       | (4) | 100375229  | 100398940  | 104407974  | 111868140  | 119593080  | 107328673  | 8        |  |            |  |
| Aroclor-1242-5       | (5) | 119243844  | 118999972  | 122020908  | 130935164  | 140800680  | 126400114  | 7        |  |            |  |
| Decachlorobiphenyl   |     | 3837824030 | 3881889067 | 3932164520 | 4142632320 | 3981873600 | 3955276707 | 3        |  |            |  |
| Tetrachloro-m-xylene |     | 5175637870 | 5056121747 | 5062590080 | 5077379040 | 4694060200 | 5013157787 | 4        |  |            |  |
| Aroclor-1248-1       | (1) | 96151235   | 101173276  | 106208356  | 111512520  | 110549280  | 105118933  | 6        |  |            |  |
| Aroclor-1248-2       | (2) | 134456241  | 142517627  | 150226096  | 159660040  | 159777460  | 149327493  | 7        |  |            |  |
| Aroclor-1248-3       | (3) | 143332101  | 151082947  | 159714030  | 169070604  | 168858280  | 158411592  | 7        |  |            |  |
| Aroclor-1248-4       | (4) | 168393487  | 177299203  | 184813874  | 193701216  | 188544620  | 182550480  | 5        |  |            |  |
| Aroclor-1248-5       | (5) | 162171392  | 168228800  | 176144562  | 182809080  | 188663420  | 175603451  | 6        |  |            |  |
| Decachlorobiphenyl   |     | 3812249930 | 3973614533 | 4145380680 | 4445118560 | 4295672800 | 4134407301 | 6        |  |            |  |
| Tetrachloro-m-xylene |     | 4965646150 | 5143987440 | 5236574340 | 5255843080 | 4633325600 | 5047075322 | 5        |  |            |  |
| Aroclor-1254-1       | (1) | 245816740  | 256457156  | 269229946  | 279215328  | 303441080  | 270832050  | 8        |  |            |  |
| Aroclor-1254-2       | (2) | 215464605  | 225390397  | 238770420  | 248817564  | 271658880  | 240020373  | 9        |  |            |  |
| Aroclor-1254-3       | (3) | 351887512  | 364509791  | 380441060  | 386791796  | 393925500  | 375511132  | 5        |  |            |  |
| Aroclor-1254-4       | (4) | 202983022  | 209924784  | 220508360  | 226093392  | 228876240  | 217677160  | 5        |  |            |  |
| Aroclor-1254-5       | (5) | 301571990  | 312619885  | 327015726  | 332817532  | 339773740  | 322759775  | 5        |  |            |  |
| Decachlorobiphenyl   |     | 3941299730 | 4071714027 | 4258931580 | 4374402200 | 4331619600 | 4195593427 | 4        |  |            |  |
| Tetrachloro-m-xylene |     | 5092418740 | 5228867107 | 5367266300 | 5227916200 | 4998387200 | 5182971109 | 3        |  |            |  |
| Aroclor-1268-1       | (1) | 656711077  | 629047555  | 645909990  | 662020976  | 635929760  | 645923872  | 2        |  |            |  |

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|                      |     |            |            |            |            |            |            |   |
|----------------------|-----|------------|------------|------------|------------|------------|------------|---|
| Aroclor-1268-2       | (2) | 598855523  | 573599667  | 581583226  | 594062960  | 559533920  | 581527059  | 3 |
| Aroclor-1268-3       | (3) | 514109640  | 473779721  | 502419092  | 515326152  | 488714860  | 498869893  | 4 |
| Aroclor-1268-4       | (4) | 204541613  | 194882907  | 202546298  | 212150808  | 201074520  | 203039229  | 3 |
| Aroclor-1268-5       | (5) | 1554458685 | 1488724905 | 1492118486 | 1500575756 | 1388253260 | 1484826218 | 4 |
| Decachlorobiphenyl   |     | 7216327300 | 6964723040 | 7142803680 | 7406390760 | 7194775600 | 7185004076 | 2 |
| Tetrachloro-m-xylene |     | 5353757740 | 5060175947 | 5259788400 | 5326606440 | 4764065600 | 5152878825 | 5 |