

**CALIBRATION FACTOR OF INITIAL CALIBRATION**

**Contract:** RUTW01

**Lab Code:** CHEM **Case No.:** Q1207 **SAS No.:** Q1207 **SDG NO.:** Q1207

**Instrument ID:** ECD\_L **Calibration Date(s):** 01/21/2025 01/21/2025  
**Calibration Times:** 10:57 11:51

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

| <b>LAB FILE ID:</b>               |            | <b>CF 100 =</b> <u>PL093728.D</u> |            | <b>CF 075 =</b> <u>PL093729.D</u> |            |            |       |
|-----------------------------------|------------|-----------------------------------|------------|-----------------------------------|------------|------------|-------|
| <b>CF 050 =</b> <u>PL093730.D</u> |            | <b>CF 025 =</b> <u>PL093731.D</u> |            | <b>CF 005 =</b> <u>PL093732.D</u> |            |            |       |
| COMPOUND                          | CF 100     | CF 075                            | CF 050     | CF 025                            | CF 005     | CF         | % RSD |
| 4,4'-DDD                          | 1660930000 | 1679650000                        | 1932670000 | 1802720000                        | 2426830000 | 1900560000 | 17    |
| 4,4'-DDE                          | 2179870000 | 2169930000                        | 2489080000 | 2321590000                        | 3012520000 | 2434600000 | 14    |
| 4,4'-DDT                          | 1755570000 | 1766710000                        | 2016720000 | 1907120000                        | 2414170000 | 1972060000 | 14    |
| Aldrin                            | 2924220000 | 2896750000                        | 3292630000 | 3099660000                        | 4146570000 | 3271970000 | 16    |
| alpha-BHC                         | 3537700000 | 3490280000                        | 3918110000 | 3562830000                        | 4660310000 | 3833850000 | 13    |
| alpha-Chlordane                   | 2458070000 | 2458490000                        | 2788200000 | 2666580000                        | 3570690000 | 2788400000 | 16    |
| beta-BHC                          | 1393460000 | 1394440000                        | 1618290000 | 1508890000                        | 2121530000 | 1607320000 | 19    |
| Decachlorobiphenyl                | 1768480000 | 1816480000                        | 2098320000 | 2018470000                        | 2757820000 | 2091910000 | 19    |
| delta-BHC                         | 3233860000 | 3194550000                        | 3605880000 | 3303370000                        | 4188780000 | 3505290000 | 12    |
| Dieldrin                          | 2456580000 | 2440810000                        | 2788190000 | 2639340000                        | 3554340000 | 2775850000 | 17    |
| Endosulfan I                      | 2304400000 | 2298550000                        | 2637060000 | 2528610000                        | 3445650000 | 2642860000 | 18    |
| Endosulfan II                     | 2084130000 | 2100600000                        | 2413950000 | 2287820000                        | 3160260000 | 2409350000 | 18    |
| Endosulfan sulfate                | 1923100000 | 1945070000                        | 2248580000 | 2190510000                        | 3011450000 | 2263740000 | 20    |
| Endrin                            | 2079430000 | 2060990000                        | 2363220000 | 2218560000                        | 3001890000 | 2344820000 | 17    |
| Endrin aldehyde                   | 1673120000 | 1696040000                        | 1958970000 | 1896570000                        | 2495580000 | 1944060000 | 17    |
| Endrin ketone                     | 2196850000 | 2205550000                        | 2539700000 | 2413910000                        | 3257130000 | 2522630000 | 17    |
| gamma-BHC (Lindane)               | 3375960000 | 3339350000                        | 3767250000 | 3460830000                        | 4470850000 | 3682850000 | 13    |
| gamma-Chlordane                   | 2455830000 | 2471830000                        | 2815630000 | 2678390000                        | 3515170000 | 2787370000 | 16    |
| Heptachlor                        | 2922500000 | 2901690000                        | 3325290000 | 3144100000                        | 4093120000 | 3277340000 | 15    |
| Heptachlor epoxide                | 2568680000 | 2575960000                        | 2953630000 | 2835830000                        | 3935020000 | 2973820000 | 19    |
| Methoxychlor                      | 907284000  | 922109000                         | 1080370000 | 1020090000                        | 1287130000 | 1043400000 | 15    |
| Tetrachloro-m-xylene              | 2397870000 | 2402980000                        | 2740040000 | 2595500000                        | 3327420000 | 2692760000 | 14    |

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**Instrument ID:** ECD\_L **Calibration Date(s):** 01/21/2025 01/21/2025  
**Calibration Times:** 10:57 11:51

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

| <b>LAB FILE ID:</b>               |            | <b>CF 100 =</b> <u>PL093728.D</u> |            | <b>CF 075 =</b> <u>PL093729.D</u> |            |            |       |
|-----------------------------------|------------|-----------------------------------|------------|-----------------------------------|------------|------------|-------|
| <b>CF 050 =</b> <u>PL093730.D</u> |            | <b>CF 025 =</b> <u>PL093731.D</u> |            | <b>CF 005 =</b> <u>PL093732.D</u> |            |            |       |
| COMPOUND                          | CF 100     | CF 075                            | CF 050     | CF 025                            | CF 005     | CF         | % RSD |
| 4,4'-DDD                          | 3134000000 | 3054730000                        | 3379160000 | 2910470000                        | 3304320000 | 3156540000 | 6     |
| 4,4'-DDE                          | 3891920000 | 3807640000                        | 4253650000 | 3749010000                        | 4345130000 | 4009470000 | 7     |
| 4,4'-DDT                          | 3270010000 | 3177800000                        | 3542860000 | 3046890000                        | 3232670000 | 3254050000 | 6     |
| Aldrin                            | 4482990000 | 4370810000                        | 4856520000 | 4222470000                        | 4876190000 | 4561800000 | 6     |
| alpha-BHC                         | 4914190000 | 4768640000                        | 5271080000 | 4480730000                        | 5010260000 | 4888980000 | 6     |
| alpha-Chlordane                   | 4056970000 | 3962110000                        | 4424110000 | 3914810000                        | 4574820000 | 4186560000 | 7     |
| beta-BHC                          | 1863440000 | 1842720000                        | 2072180000 | 1889740000                        | 2319100000 | 1997440000 | 10    |
| Decachlorobiphenyl                | 3226690000 | 3193800000                        | 3627020000 | 3320620000                        | 4152210000 | 3504070000 | 11    |
| delta-BHC                         | 4741230000 | 4607910000                        | 5098810000 | 4368820000                        | 4939430000 | 4751240000 | 6     |
| Dieldrin                          | 4189300000 | 4076770000                        | 4553570000 | 3958830000                        | 4699760000 | 4295650000 | 7     |
| Endosulfan I                      | 3734100000 | 3661580000                        | 4099030000 | 3635320000                        | 4254550000 | 3876920000 | 7     |
| Endosulfan II                     | 3553260000 | 3487640000                        | 3912960000 | 3484510000                        | 4080760000 | 3703830000 | 7     |
| Endosulfan sulfate                | 3408630000 | 3353240000                        | 3757030000 | 3348270000                        | 3963240000 | 3566080000 | 8     |
| Endrin                            | 3607760000 | 3481170000                        | 3870730000 | 3406140000                        | 4097610000 | 3692680000 | 8     |
| Endrin aldehyde                   | 2861460000 | 2820180000                        | 3183430000 | 2892290000                        | 3465840000 | 3044640000 | 9     |
| Endrin ketone                     | 3965120000 | 3881890000                        | 4400080000 | 3907370000                        | 4821740000 | 4195240000 | 10    |
| gamma-BHC (Lindane)               | 4713370000 | 4597010000                        | 5084610000 | 4384810000                        | 4926270000 | 4741210000 | 6     |
| gamma-Chlordane                   | 4137240000 | 4016860000                        | 4483010000 | 3935490000                        | 4615500000 | 4237620000 | 7     |
| Heptachlor                        | 4505180000 | 4413750000                        | 4924840000 | 4345980000                        | 5084220000 | 4654790000 | 7     |
| Heptachlor epoxide                | 4026840000 | 3946880000                        | 4424170000 | 3927960000                        | 4575440000 | 4180260000 | 7     |
| Methoxychlor                      | 1651870000 | 1634200000                        | 1870410000 | 1643810000                        | 2140390000 | 1788140000 | 12    |
| Tetrachloro-m-xylene              | 3101220000 | 3058550000                        | 3437230000 | 3066200000                        | 3657590000 | 3264160000 | 8     |