

# CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: RMJE02

Lab Code: CHEM Case No.: O5252 SAS No.: O5252 SDG NO.: O5252

Instrument ID: ECD\_L Calibration Date(s): 11/01/2023 11/01/2023

Calibration Times: 08:49 09:45

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

| LAB FILE ID:         |                   | CF 100 =   | <u>PL086343.D</u> | CF 075 =   | <u>PL086344.D</u> |            |       |
|----------------------|-------------------|------------|-------------------|------------|-------------------|------------|-------|
| CF 050 =             | <u>PL086345.D</u> | CF 025 =   | <u>PL086346.D</u> | CF 005 =   | <u>PL086347.D</u> |            |       |
| COMPOUND             | CF 100            | CF 075     | CF 050            | CF 025     | CF 005            | CF         | % RSD |
| 4,4'-DDD             | 2536800000        | 2375800000 | 2348500000        | 2305270000 | 2292640000        | 2371800000 | 4     |
| 4,4'-DDE             | 3419430000        | 3206160000 | 3165660000        | 3063980000 | 3012760000        | 3173600000 | 5     |
| 4,4'-DDT             | 2810840000        | 2633750000 | 2582620000        | 2546230000 | 2471160000        | 2608920000 | 5     |
| Aldrin               | 4693660000        | 4481820000 | 4445710000        | 4313380000 | 4208690000        | 4428650000 | 4     |
| alpha-BHC            | 5098960000        | 4840660000 | 4758070000        | 4526940000 | 4375690000        | 4720060000 | 6     |
| alpha-Chlordane      | 4071150000        | 3918190000 | 3936280000        | 3926450000 | 4050290000        | 3980470000 | 2     |
| beta-BHC             | 1889560000        | 1843730000 | 1881930000        | 1939840000 | 2306760000        | 1972360000 | 10    |
| Decachlorobiphenyl   | 2561610000        | 2489210000 | 2559090000        | 2703410000 | 2910680000        | 2644800000 | 6     |
| delta-BHC            | 4733550000        | 4470120000 | 4415460000        | 4347470000 | 3848140000        | 4362940000 | 7     |
| Dieldrin             | 4050770000        | 3855420000 | 3838790000        | 3752690000 | 3726570000        | 3844850000 | 3     |
| Endosulfan I         | 3740310000        | 3611870000 | 3638700000        | 3635880000 | 3752640000        | 3675880000 | 2     |
| Endosulfan II        | 3279340000        | 3153560000 | 3159820000        | 3184450000 | 3325560000        | 3220540000 | 2     |
| Endosulfan sulfate   | 3114770000        | 2989670000 | 3018610000        | 3060780000 | 3256030000        | 3087970000 | 3     |
| Endrin               | 3500270000        | 3330200000 | 3328190000        | 3273040000 | 3259440000        | 3338230000 | 3     |
| Endrin aldehyde      | 2401500000        | 2316660000 | 2384920000        | 2451330000 | 2615990000        | 2434080000 | 5     |
| Endrin ketone        | 3301270000        | 3162180000 | 3173390000        | 3163240000 | 3156780000        | 3191370000 | 2     |
| gamma-BHC (Lindane)  | 4877100000        | 4655760000 | 4601670000        | 4437000000 | 4210870000        | 4556480000 | 5     |
| gamma-Chlordane      | 4102170000        | 3924400000 | 3926610000        | 3885660000 | 4000190000        | 3967800000 | 2     |
| Heptachlor           | 4555740000        | 4365980000 | 4364780000        | 4278900000 | 4228490000        | 4358780000 | 3     |
| Heptachlor epoxide   | 4009350000        | 3881350000 | 3902700000        | 3813940000 | 3730890000        | 3867640000 | 3     |
| Methoxychlor         | 1405280000        | 1341730000 | 1358890000        | 1393300000 | 1435820000        | 1387010000 | 3     |
| Tetrachloro-m-xylene | 3225080000        | 3138040000 | 3170050000        | 3165040000 | 3169430000        | 3173530000 | 1     |

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Instrument ID: ECD\_L Calibration Date(s): 11/01/2023 11/01/2023

Calibration Times: 08:49 09:45

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

| LAB FILE ID:         |            | CF 100 =          | <u>PL086343.D</u> | CF 075 =          | <u>PL086344.D</u> |                   |       |
|----------------------|------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------|
| CF 050 =             |            | <u>PL086345.D</u> | CF 025 =          | <u>PL086346.D</u> | CF 005 =          | <u>PL086347.D</u> |       |
| COMPOUND             | CF 100     | CF 075            | CF 050            | CF 025            | CF 005            | CF                | % RSD |
| 4,4'-DDD             | 903323000  | 840415000         | 820449000         | 787086000         | 721129000         | 814480000         | 8     |
| 4,4'-DDE             | 1113380000 | 1033130000        | 1001080000        | 942174000         | 844459000         | 986844000         | 10    |
| 4,4'-DDT             | 1043240000 | 974223000         | 948589000         | 916365000         | 831305000         | 942744000         | 8     |
| Aldrin               | 1388220000 | 1316350000        | 1294600000        | 1231850000        | 1140680000        | 1274340000        | 7     |
| alpha-BHC            | 1463140000 | 1373920000        | 1337770000        | 1240180000        | 1073740000        | 1297750000        | 11    |
| alpha-Chlordane      | 1287550000 | 1232820000        | 1230420000        | 1221480000        | 1273780000        | 1249210000        | 2     |
| beta-BHC             | 570275000  | 554260000         | 566592000         | 580371000         | 598121000         | 573924000         | 3     |
| Decachlorobiphenyl   | 1088150000 | 1069090000        | 1107260000        | 1181150000        | 1289550000        | 1147040000        | 8     |
| delta-BHC            | 1420290000 | 1334870000        | 1296090000        | 1208430000        | 1060540000        | 1264040000        | 11    |
| Dieldrin             | 1299040000 | 1227510000        | 1206390000        | 1159500000        | 1078420000        | 1194170000        | 7     |
| Endosulfan I         | 1190270000 | 1148920000        | 1145780000        | 1166390000        | 1282730000        | 1186820000        | 5     |
| Endosulfan II        | 1129900000 | 1084090000        | 1078990000        | 1068670000        | 1027850000        | 1077900000        | 3     |
| Endosulfan sulfate   | 1082970000 | 1038030000        | 1043370000        | 1051370000        | 1055660000        | 1054280000        | 2     |
| Endrin               | 1191130000 | 1125500000        | 1112620000        | 1071200000        | 1009210000        | 1101930000        | 6     |
| Endrin aldehyde      | 838637000  | 807409000         | 830666000         | 848832000         | 890954000         | 843300000         | 4     |
| Endrin ketone        | 1310110000 | 1256240000        | 1256690000        | 1240670000        | 1172200000        | 1247180000        | 4     |
| gamma-BHC (Lindane)  | 1437950000 | 1358590000        | 1338050000        | 1273460000        | 1159760000        | 1313560000        | 8     |
| gamma-Chlordane      | 1269900000 | 1207300000        | 1193560000        | 1159610000        | 1086520000        | 1183380000        | 6     |
| Heptachlor           | 1369310000 | 1312980000        | 1302170000        | 1272790000        | 1229190000        | 1297290000        | 4     |
| Heptachlor epoxide   | 1252340000 | 1197130000        | 1197180000        | 1178310000        | 1152700000        | 1195530000        | 3     |
| Methoxychlor         | 582971000  | 564565000         | 575331000         | 595605000         | 603203000         | 584335000         | 3     |
| Tetrachloro-m-xylene | 978600000  | 943239000         | 957220000         | 947507000         | 933379000         | 951989000         | 2     |