

# CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CHEM02

Lab Code: CHEM Case No.: P2403 SAS No.: P2403 SDG NO.: P2403

Instrument ID: ECD\_L

Calibration Date(s): 04/26/2024 04/26/2024

Calibration Times: 13:43 14:38

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

| LAB FILE ID:         |            | CF 100 =          | <u>PL089192.D</u> | CF 075 =          | <u>PL089193.D</u> |                   |          |
|----------------------|------------|-------------------|-------------------|-------------------|-------------------|-------------------|----------|
| CF 050 =             |            | <u>PL089194.D</u> | CF 025 =          | <u>PL089195.D</u> | CF 005 =          | <u>PL089196.D</u> |          |
| COMPOUND             | CF 100     | CF 075            | CF 050            | CF 025            | CF 005            | CF                | %<br>RSD |
| 4,4'-DDD             | 1521280000 | 1487100000        | 1632640000        | 1668770000        | 2125220000        | 1687000000        | 15       |
| 4,4'-DDE             | 1845080000 | 1792010000        | 1955520000        | 1992770000        | 2531410000        | 2023360000        | 15       |
| 4,4'-DDT             | 1619840000 | 1593750000        | 1748550000        | 1791800000        | 2440950000        | 1838980000        | 19       |
| Aldrin               | 2301430000 | 2233580000        | 2444370000        | 2528450000        | 3333410000        | 2568250000        | 17       |
| alpha-BHC            | 2738410000 | 2620830000        | 2806240000        | 2735410000        | 3358040000        | 2851790000        | 10       |
| alpha-Chlordane      | 2024120000 | 1981970000        | 2184710000        | 2246960000        | 2935830000        | 2274720000        | 17       |
| beta-BHC             | 1126170000 | 1111100000        | 1224670000        | 1256590000        | 1589250000        | 1261560000        | 15       |
| Decachlorobiphenyl   | 1302100000 | 1268420000        | 1393170000        | 1392140000        | 1639260000        | 1399020000        | 10       |
| delta-BHC            | 2528900000 | 2420310000        | 2592450000        | 2533660000        | 3184890000        | 2652040000        | 11       |
| Dieldrin             | 2028800000 | 1983090000        | 2169550000        | 2188430000        | 2822410000        | 2238460000        | 15       |
| Endosulfan I         | 1913940000 | 1881860000        | 2079130000        | 2127450000        | 2746580000        | 2149790000        | 16       |
| Endosulfan II        | 1758440000 | 1723580000        | 1909110000        | 1993470000        | 2594430000        | 1995810000        | 18       |
| Endosulfan sulfate   | 1598280000 | 1578370000        | 1752960000        | 1798200000        | 2316500000        | 1808860000        | 17       |
| Endrin               | 1714700000 | 1682050000        | 1835240000        | 1862710000        | 2376980000        | 1894340000        | 15       |
| Endrin aldehyde      | 1333660000 | 1319370000        | 1461830000        | 1496910000        | 1949670000        | 1512290000        | 17       |
| Endrin ketone        | 1814320000 | 1772970000        | 1946220000        | 1967470000        | 2507200000        | 2001640000        | 15       |
| gamma-BHC (Lindane)  | 2645500000 | 2539780000        | 2736370000        | 2677200000        | 3320840000        | 2783940000        | 11       |
| gamma-Chlordane      | 2034990000 | 1988830000        | 2190710000        | 2260930000        | 2954090000        | 2285910000        | 17       |
| Heptachlor           | 2230970000 | 2177100000        | 2375800000        | 2406110000        | 3210540000        | 2480100000        | 17       |
| Heptachlor epoxide   | 2081770000 | 2040830000        | 2251700000        | 2311000000        | 3042030000        | 2345460000        | 17       |
| Methoxychlor         | 862553000  | 860355000         | 953019000         | 986759000         | 1254320000        | 983402000         | 16       |
| Tetrachloro-m-xylene | 1864860000 | 1809670000        | 1980210000        | 1960750000        | 2452870000        | 2013670000        | 13       |

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Instrument ID: ECD\_L Calibration Date(s): 04/26/2024 04/26/2024

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

| LAB FILE ID:         |            | CF 100 =          | <u>PL089192.D</u> | CF 075 =          | <u>PL089193.D</u> |                   |       |
|----------------------|------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------|
| CF 050 =             |            | <u>PL089194.D</u> | CF 025 =          | <u>PL089195.D</u> | CF 005 =          | <u>PL089196.D</u> |       |
| COMPOUND             | CF 100     | CF 075            | CF 050            | CF 025            | CF 005            | CF                | % RSD |
| 4,4'-DDD             | 1275690000 | 1215790000        | 1268770000        | 1130250000        | 1275710000        | 1233240000        | 5     |
| 4,4'-DDE             | 1541820000 | 1457480000        | 1504120000        | 1342020000        | 1424460000        | 1453980000        | 5     |
| 4,4'-DDT             | 1400350000 | 1335010000        | 1388910000        | 1273200000        | 1367460000        | 1352990000        | 4     |
| Aldrin               | 1847740000 | 1753430000        | 1828480000        | 1654480000        | 1754950000        | 1767820000        | 4     |
| alpha-BHC            | 2033310000 | 1914200000        | 1963650000        | 1741940000        | 1781340000        | 1886890000        | 7     |
| alpha-Chlordane      | 1663290000 | 1594330000        | 1678130000        | 1567240000        | 1742970000        | 1649190000        | 4     |
| beta-BHC             | 792035000  | 767789000         | 824378000         | 797305000         | 900778000         | 816457000         | 6     |
| Decachlorobiphenyl   | 1279220000 | 1259060000        | 1355110000        | 1311810000        | 1520740000        | 1345190000        | 8     |
| delta-BHC            | 1931940000 | 1816850000        | 1876360000        | 1675830000        | 1694990000        | 1799190000        | 6     |
| Dieldrin             | 1664760000 | 1585380000        | 1651230000        | 1508620000        | 1633580000        | 1608710000        | 4     |
| Endosulfan I         | 1502860000 | 1445730000        | 1525810000        | 1428390000        | 1585660000        | 1497690000        | 4     |
| Endosulfan II        | 1418980000 | 1368140000        | 1451190000        | 1369080000        | 1584220000        | 1438320000        | 6     |
| Endosulfan sulfate   | 1360860000 | 1319680000        | 1399500000        | 1337630000        | 1518190000        | 1387170000        | 6     |
| Endrin               | 1469120000 | 1409690000        | 1463530000        | 1359310000        | 1486710000        | 1437670000        | 4     |
| Endrin aldehyde      | 1064490000 | 1044370000        | 1116850000        | 1069100000        | 1266770000        | 1112310000        | 8     |
| Endrin ketone        | 1606340000 | 1552320000        | 1647170000        | 1530660000        | 1658480000        | 1599000000        | 4     |
| gamma-BHC (Lindane)  | 1958040000 | 1846430000        | 1925120000        | 1727560000        | 1769130000        | 1845260000        | 5     |
| gamma-Chlordane      | 1669840000 | 1592050000        | 1670020000        | 1552000000        | 1720790000        | 1640940000        | 4     |
| Heptachlor           | 1801860000 | 1716300000        | 1799000000        | 1659660000        | 1784690000        | 1752300000        | 4     |
| Heptachlor epoxide   | 1624650000 | 1562390000        | 1645750000        | 1541170000        | 1709870000        | 1616770000        | 4     |
| Methoxychlor         | 765915000  | 752525000         | 805969000         | 780955000         | 892559000         | 799585000         | 7     |
| Tetrachloro-m-xylene | 1279670000 | 1231290000        | 1303070000        | 1236020000        | 1365180000        | 1283050000        | 4     |