

**CALIBRATION FACTOR OF INITIAL CALIBRATION**

Lab Name: Alliance  
Lab Code: ACE  
Instrument ID: ECD\_D

Contract: ZUCC01  
SDG NO.: Q3032

Calibration Date(s): 08/18/2025 08/18/2025  
Calibration Times: 11:25 12:20

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

| LAB FILE ID:               |            | CF 100 = <u>PD089964.D</u> | CF 075 = <u>PD089965.D</u> |            |            |            |       |
|----------------------------|------------|----------------------------|----------------------------|------------|------------|------------|-------|
| CF 050 = <u>PD089966.D</u> |            | CF 025 = <u>PD089967.D</u> | CF 005 = <u>PD089968.D</u> |            |            |            |       |
| COMPOUND                   | CF 100     | CF 075                     | CF 050                     | CF 025     | CF 005     | CF         | % RSD |
| 4,4'-DDD                   | 3624120000 | 3462270000                 | 3457660000                 | 3265820000 | 3485670000 | 3459110000 | 4     |
| 4,4'-DDE                   | 4626960000 | 4438390000                 | 4404140000                 | 4140750000 | 4331330000 | 4388310000 | 4     |
| 4,4'-DDT                   | 3975570000 | 3816810000                 | 3832620000                 | 3619780000 | 3803930000 | 3809740000 | 3     |
| Aldrin                     | 5668260000 | 5424570000                 | 5410420000                 | 5143250000 | 5426150000 | 5414530000 | 3     |
| alpha-BHC                  | 6564570000 | 6222340000                 | 6076620000                 | 5609710000 | 5537900000 | 6002230000 | 7     |
| alpha-Chlordane            | 5001030000 | 4849920000                 | 4872480000                 | 4705810000 | 5182860000 | 4922420000 | 4     |
| beta-BHC                   | 2190370000 | 2136080000                 | 2186000000                 | 2198420000 | 2504240000 | 2243020000 | 7     |
| Decachlorobiphenyl         | 3986110000 | 3969720000                 | 4147630000                 | 4315890000 | 5160360000 | 4315940000 | 11    |
| delta-BHC                  | 5594230000 | 5259320000                 | 5241270000                 | 4866470000 | 4927250000 | 5177710000 | 6     |
| Dieldrin                   | 5101560000 | 4896810000                 | 4892720000                 | 4649520000 | 4938220000 | 4895770000 | 3     |
| Endosulfan I               | 4658430000 | 4521140000                 | 4563060000                 | 4438270000 | 4893500000 | 4614880000 | 4     |
| Endosulfan II              | 4207790000 | 4064330000                 | 4140160000                 | 4044550000 | 4641790000 | 4219720000 | 6     |
| Endosulfan sulfate         | 3909960000 | 3792530000                 | 3865770000                 | 3781510000 | 4242700000 | 3918500000 | 5     |
| Endrin                     | 4304200000 | 4131030000                 | 4163360000                 | 3917830000 | 4201430000 | 4143570000 | 3     |
| Endrin aldehyde            | 2808090000 | 2745580000                 | 2790240000                 | 2785520000 | 3206350000 | 2867160000 | 7     |
| Endrin ketone              | 4165230000 | 4039380000                 | 4100930000                 | 4005880000 | 4411220000 | 4144530000 | 4     |
| gamma-BHC (Lindane)        | 6124020000 | 5822650000                 | 5736200000                 | 5394590000 | 5556740000 | 5726840000 | 5     |
| gamma-Chlordane            | 5032010000 | 4878750000                 | 4857490000                 | 4658710000 | 5027960000 | 4890980000 | 3     |
| Heptachlor                 | 5823490000 | 5610320000                 | 5567440000                 | 5314250000 | 5730360000 | 5609170000 | 3     |
| Heptachlor epoxide         | 4903870000 | 4710630000                 | 4793240000                 | 4635070000 | 5491190000 | 4906800000 | 7     |
| Methoxychlor               | 1937810000 | 1915290000                 | 1982900000                 | 1982920000 | 2209170000 | 2005620000 | 6     |
| Tetrachloro-m-xylene       | 2917140000 | 2829280000                 | 2874020000                 | 2840660000 | 3213090000 | 2934840000 | 5     |

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Contract: ZUCC01  
SDG NO.: Q3032

Calibration Date(s): 08/18/2025 08/18/2025  
Calibration Times: 11:25 12:20

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

|                      |             |                   |                   |                   |                   |                   |       |
|----------------------|-------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------|
| LAB FILE ID:         |             | CF 100 =          | <u>PD089964.D</u> | CF 075 =          | <u>PD089965.D</u> |                   |       |
| CF 050 =             |             | <u>PD089966.D</u> | CF 025 =          | <u>PD089967.D</u> | CF 005 =          | <u>PD089968.D</u> |       |
| COMPOUND             | CF 100      | CF 075            | CF 050            | CF 025            | CF 005            | CF                | % RSD |
| 4,4'-DDD             | 22516800000 | 22539900000       | 23346000000       | 24042100000       | 27773700000       | 24043700000       | 9     |
| 4,4'-DDE             | 27113000000 | 27019200000       | 27887400000       | 28678000000       | 33416200000       | 28822800000       | 9     |
| 4,4'-DDT             | 23990000000 | 24023200000       | 24827600000       | 25108600000       | 27399200000       | 25069700000       | 6     |
| Aldrin               | 28837000000 | 28725400000       | 29547400000       | 30298100000       | 34870500000       | 30455700000       | 8     |
| alpha-BHC            | 32680000000 | 32178400000       | 33006800000       | 33320200000       | 38508700000       | 33938800000       | 8     |
| alpha-Chlordane      | 26752600000 | 26620200000       | 27532400000       | 28392200000       | 33393000000       | 28538100000       | 10    |
| beta-BHC             | 12414000000 | 12365000000       | 12842100000       | 13315800000       | 15714100000       | 13330200000       | 10    |
| Decachlorobiphenyl   | 23779200000 | 23963600000       | 24979900000       | 25602900000       | 31103700000       | 25885900000       | 12    |
| delta-BHC            | 30159900000 | 29900600000       | 30631600000       | 31120600000       | 35936300000       | 31549800000       | 8     |
| Dieldrin             | 27315200000 | 27373800000       | 28374700000       | 29249600000       | 34122500000       | 29287200000       | 10    |
| Endosulfan I         | 24263100000 | 24395900000       | 25356800000       | 26391300000       | 30701900000       | 26221800000       | 10    |
| Endosulfan II        | 23285800000 | 23417600000       | 24436800000       | 25378900000       | 29954000000       | 25294600000       | 11    |
| Endosulfan sulfate   | 22430300000 | 22611400000       | 23494500000       | 24469500000       | 28892000000       | 24379500000       | 11    |
| Endrin               | 24304500000 | 24536800000       | 25710300000       | 26502700000       | 32106800000       | 26632200000       | 12    |
| Endrin aldehyde      | 15818300000 | 15996400000       | 16540900000       | 17378800000       | 20365300000       | 17219900000       | 11    |
| Endrin ketone        | 24365300000 | 24756300000       | 25905100000       | 26991400000       | 31204600000       | 26644500000       | 10    |
| gamma-BHC (Lindane)  | 30012600000 | 29626300000       | 30389800000       | 30823600000       | 35001200000       | 31170700000       | 7     |
| gamma-Chlordane      | 27925200000 | 27737800000       | 28720300000       | 29587900000       | 34085100000       | 29611300000       | 9     |
| Heptachlor           | 29303500000 | 29221000000       | 30284200000       | 31044900000       | 36104500000       | 31191600000       | 9     |
| Heptachlor epoxide   | 25599400000 | 25694300000       | 26706500000       | 27640400000       | 32833500000       | 27694800000       | 11    |
| Methoxychlor         | 11658500000 | 11925200000       | 12638700000       | 13125700000       | 15130800000       | 12895800000       | 11    |
| Tetrachloro-m-xylene | 20746800000 | 20549600000       | 21227800000       | 21856800000       | 25871800000       | 22050500000       | 10    |