

CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_D

Contract: ROYF02
SDG NO.: Q3176

Calibration Date(s): 09/18/2025 09/18/2025
Calibration Times: 10:30 11:24

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

LAB FILE ID:		CF 100 =	<u>PD090330.D</u>	CF 075 =	<u>PD090331.D</u>		
CF 050 =		<u>PD090332.D</u>	CF 025 =	<u>PD090333.D</u>	CF 005 =	<u>PD090334.D</u>	
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	4207140000	4130580000	4014010000	3964590000	4172770000	4097820000	3
4,4'-DDE	5374140000	5287370000	5128730000	5024430000	5222910000	5207510000	3
4,4'-DDT	4574330000	4523620000	4372800000	4315380000	4476180000	4452460000	2
Aldrin	6538430000	6445600000	6233910000	6135550000	6396240000	6349940000	3
alpha-BHC	7531750000	7318540000	6929420000	6661110000	6481880000	6984540000	6
alpha-Chlordane	5775350000	5724530000	5604540000	5619990000	6079780000	5760840000	3
beta-BHC	2482280000	2482500000	2464130000	2562370000	2908310000	2579920000	7
Decachlorobiphenyl	4402260000	4491650000	4568910000	4877590000	5784880000	4825060000	12
delta-BHC	6900540000	6743360000	6436800000	6196590000	6010210000	6457500000	6
Dieldrin	5878480000	5813890000	5658660000	5591850000	5880560000	5764690000	2
Endosulfan I	5355870000	5330150000	5246990000	5296210000	5778070000	5401460000	4
Endosulfan II	4863810000	4809890000	4767830000	4731790000	5215710000	4877810000	4
Endosulfan sulfate	4488130000	4504880000	4451040000	4538020000	5019730000	4600360000	5
Endrin	4996080000	4929650000	4790800000	4732630000	5020530000	4893940000	3
Endrin aldehyde	3278170000	3320750000	3308650000	3392630000	3852740000	3430590000	7
Endrin ketone	4890930000	4897630000	4794420000	4865030000	5288830000	4947370000	4
gamma-BHC (Lindane)	6999120000	6835130000	6524340000	6332700000	6393110000	6616880000	4
gamma-Chlordane	5813690000	5752510000	5584900000	5550280000	5858310000	5711940000	2
Heptachlor	6772400000	6712800000	6486200000	6442050000	6649430000	6612570000	2
Heptachlor epoxide	5686760000	5637150000	5520680000	5549540000	6180470000	5714920000	5
Methoxychlor	2238390000	2263790000	2253430000	2355450000	2671490000	2356510000	8
Tetrachloro-m-xylene	3132360000	3130620000	3109950000	3314170000	3565160000	3250450000	6

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Calibration Date(s): 09/18/2025 09/18/2025
Calibration Times: 10:30 11:24

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

LAB FILE ID:		CF 100 =	<u>PD090330.D</u>	CF 075 =	<u>PD090331.D</u>		
CF 050 =		<u>PD090332.D</u>	CF 025 =	<u>PD090333.D</u>	CF 005 =	<u>PD090334.D</u>	
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	30304900000	30692500000	31009200000	32903500000	37228900000	32427800000	9
4,4'-DDE	36124200000	36272100000	36686200000	38763000000	43549500000	38279000000	8
4,4'-DDT	33099900000	33102400000	33251000000	34736500000	37705500000	34379100000	6
Aldrin	37755900000	38014300000	38272600000	40300100000	45332100000	39935000000	8
alpha-BHC	41983700000	42103500000	41877000000	43751600000	49199100000	43783000000	7
alpha-Chlordane	35496600000	35665700000	35983600000	37925400000	43255100000	37665300000	9
beta-BHC	16104200000	16264800000	16450900000	17520600000	20336000000	17335300000	10
Decachlorobiphenyl	30416300000	30281700000	30308400000	32239300000	38828000000	32414700000	11
delta-BHC	39478300000	39575300000	39625200000	41252800000	46542500000	41294800000	7
Dieldrin	36291200000	36723400000	37358800000	39527500000	44828700000	38945900000	9
Endosulfan I	31926100000	32408300000	33081700000	35241100000	40368600000	34605200000	10
Endosulfan II	31161800000	31580800000	32283100000	34269000000	39458900000	33750700000	10
Endosulfan sulfate	30125200000	30553700000	31128700000	33188100000	38456200000	32690400000	10
Endrin	32764600000	33397800000	34021300000	37450400000	41526700000	35832100000	10
Endrin aldehyde	21653400000	22092600000	22663100000	23908000000	27417000000	23546800000	10
Endrin ketone	33026100000	33493700000	34356800000	36799800000	42838200000	36102900000	11
gamma-BHC (Lindane)	39011200000	39020700000	38893100000	40648000000	46104500000	40735500000	8
gamma-Chlordane	37136200000	37337600000	37533000000	39366900000	45057800000	39286300000	9
Heptachlor	38021400000	38528800000	38887000000	41156300000	46990300000	40716800000	9
Heptachlor epoxide	33658400000	34135100000	34882100000	37203700000	44446000000	36865100000	12
Methoxychlor	15805600000	16152500000	16575000000	17899900000	20568800000	17400400000	11
Tetrachloro-m-xylene	25734100000	25856000000	26010100000	27671900000	31977700000	27449900000	10