

CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: EARTH03
SDG NO.: Q2818

Calibration Date(s): 07/31/2025 07/31/2025
Calibration Times: 11:47 12:41

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

LAB FILE ID:		CF 100 =	<u>PD089688.D</u>	CF 075 =	<u>PD089689.D</u>		
CF 050 =		<u>PD089690.D</u>	CF 025 =	<u>PD089691.D</u>	CF 005 =	<u>PD089692.D</u>	
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	3170910000	3047700000	2999940000	2847680000	2907880000	2994820000	4
4,4'-DDE	4003810000	3817790000	3749630000	3527790000	3549710000	3729750000	5
4,4'-DDT	3548070000	3416270000	3370890000	3205660000	3260320000	3360240000	4
Aldrin	4875360000	4656550000	4601860000	4327300000	4363460000	4564910000	5
alpha-BHC	5474360000	5189440000	5067890000	4637560000	4398360000	4953520000	9
alpha-Chlordane	4334230000	4190130000	4177460000	4048840000	4270160000	4204170000	3
beta-BHC	1835380000	1791880000	1823800000	1806620000	1965690000	1844680000	4
Decachlorobiphenyl	3483240000	3499950000	3619460000	3726220000	4252410000	3716260000	8
delta-BHC	5033280000	4775690000	4676790000	4294740000	4150530000	4586210000	8
Dieldrin	4482180000	4304270000	4237810000	4013690000	4079190000	4223430000	4
Endosulfan I	4087920000	3943210000	3940200000	3816940000	4029810000	3963620000	3
Endosulfan II	3707220000	3614470000	3602460000	3542670000	3880100000	3669380000	4
Endosulfan sulfate	3520460000	3426970000	3432480000	3357090000	3613300000	3470060000	3
Endrin	3787000000	3635450000	3585320000	3393750000	3487070000	3577720000	4
Endrin aldehyde	2531030000	2443470000	2469250000	2435500000	2598600000	2495570000	3
Endrin ketone	3804270000	3699670000	3700720000	3603310000	3762780000	3714150000	2
gamma-BHC (Lindane)	5133650000	4854210000	4821480000	4482000000	4470410000	4752350000	6
gamma-Chlordane	4371930000	4219760000	4166830000	3997030000	4139860000	4179080000	3
Heptachlor	5124730000	4899870000	4838360000	4560780000	4633880000	4811520000	5
Heptachlor epoxide	4345440000	4178710000	4148850000	3977860000	4252730000	4180720000	3
Methoxychlor	1771080000	1750920000	1777320000	1770160000	1870390000	1787970000	3
Tetrachloro-m-xylene	2500060000	2427080000	2456600000	2403480000	2545710000	2466590000	2

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Calibration Date(s): 07/31/2025 07/31/2025
Calibration Times: 11:47 12:41

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

LAB FILE ID:		CF 100 = <u>PD089688.D</u>	CF 075 = <u>PD089689.D</u>				
CF 050 = <u>PD089690.D</u>		CF 025 = <u>PD089691.D</u>	CF 005 = <u>PD089692.D</u>				
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	17134400000	16787300000	17354900000	17662200000	19224300000	17632600000	5
4,4'-DDE	20430900000	20064600000	20732800000	21183800000	23273600000	21137100000	6
4,4'-DDT	18425400000	17982900000	18452700000	18412200000	18590200000	18372700000	1
Aldrin	21657100000	21218800000	21871300000	22261000000	24245900000	22250800000	5
alpha-BHC	23880800000	23336000000	23972800000	24105300000	26229700000	24304900000	5
alpha-Chlordane	20016900000	19678400000	20310700000	20811200000	23292700000	20822000000	7
beta-BHC	9157870000	9041540000	9401640000	9704320000	10939600000	9648990000	8
Decachlorobiphenyl	19095200000	18752300000	19614700000	20093800000	22833900000	20078000000	8
delta-BHC	22211000000	21751500000	22337600000	22561500000	24713800000	22715100000	5
Dieldrin	20963500000	20551400000	21238000000	21609600000	23832300000	21639000000	6
Endosulfan I	18710200000	18457000000	19095000000	19631700000	21847700000	19548300000	7
Endosulfan II	18071500000	17758300000	18395200000	18826200000	20946400000	18799500000	7
Endosulfan sulfate	17842800000	17514800000	18136900000	18586800000	20746700000	18565600000	7
Endrin	18955800000	18701800000	19397300000	19737400000	22833500000	19925200000	8
Endrin aldehyde	12528800000	12224400000	12712900000	13003800000	14132200000	12920400000	6
Endrin ketone	19364800000	19023500000	19740000000	20178700000	22033800000	20068200000	6
gamma-BHC (Lindane)	22053600000	21570700000	22138000000	22412100000	24446000000	22524100000	5
gamma-Chlordane	20939400000	20491100000	21182700000	21653700000	23999700000	21653300000	6
Heptachlor	22407100000	22028400000	22731800000	23177700000	25700800000	23209200000	6
Heptachlor epoxide	19711600000	19404700000	20096200000	20688400000	22848400000	20549800000	7
Methoxychlor	9410250000	9296740000	9702690000	9950740000	10617100000	9795500000	5
Tetrachloro-m-xylene	15162800000	14913400000	15457700000	15824900000	17830500000	15837800000	7