

CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: HERO01
SDG NO.: Q2928

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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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