

CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: ENVI60
SDG NO.: Q2594

Calibration Date(s): 07/21/2025 07/21/2025
Calibration Times: 12:49 13:44

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

LAB FILE ID:		CF 100 =	<u>PD089540.D</u>	CF 075 =	<u>PD089541.D</u>		
CF 050 =		<u>PD089542.D</u>	CF 025 =	<u>PD089543.D</u>	CF 005 =	<u>PD089544.D</u>	
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	3546710000	3306670000	3337750000	3274140000	3478430000	3388740000	3
4,4'-DDE	4522260000	4248340000	4241950000	4132450000	4324040000	4293810000	3
4,4'-DDT	3930390000	3708100000	3732720000	3663210000	3830280000	3772940000	3
Aldrin	5474110000	5165420000	5201760000	5043040000	5280270000	5232920000	3
alpha-BHC	6211010000	5830300000	5793630000	5432690000	5280340000	5709590000	6
alpha-Chlordane	4847780000	4605370000	4657210000	4635850000	5087200000	4766680000	4
beta-BHC	2104050000	2031110000	2103860000	2139440000	2402280000	2156150000	7
Decachlorobiphenyl	3778830000	3726250000	3920080000	4172650000	4937350000	4107030000	12
delta-BHC	5702740000	5351530000	5333270000	5028430000	5009830000	5285160000	5
Dieldrin	4895070000	4635810000	4672490000	4574920000	4825060000	4720670000	3
Endosulfan I	4479840000	4272380000	4352050000	4341650000	4782350000	4445650000	5
Endosulfan II	4043580000	3846170000	3940370000	3970080000	4544370000	4068910000	7
Endosulfan sulfate	3744900000	3585230000	3667920000	3719370000	4153480000	3774180000	6
Endrin	4220470000	3970910000	4009040000	3935340000	4227020000	4072560000	3
Endrin aldehyde	2828430000	2731560000	2809060000	2899180000	3309830000	2915610000	8
Endrin ketone	4022640000	3858210000	3937060000	3969130000	4334240000	4024260000	5
gamma-BHC (Lindane)	5831570000	5501940000	5515460000	5260670000	5477580000	5517450000	4
gamma-Chlordane	4888600000	4651540000	4660300000	4590900000	4913850000	4741040000	3
Heptachlor	5683730000	5375760000	5408440000	5254920000	5546500000	5453870000	3
Heptachlor epoxide	4774830000	4538910000	4623950000	4578050000	5102280000	4723600000	5
Methoxychlor	1928970000	1871790000	1948840000	2024640000	2250230000	2004890000	7
Tetrachloro-m-xylene	2861200000	2751560000	2837820000	2840900000	3115350000	2881370000	5

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Calibration Date(s): 07/21/2025 07/21/2025
Calibration Times: 12:49 13:44

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

LAB FILE ID:		CF 100 = <u>PD089540.D</u>	CF 075 = <u>PD089541.D</u>				
CF 050 = <u>PD089542.D</u>		CF 025 = <u>PD089543.D</u>	CF 005 = <u>PD089544.D</u>				
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	20477600000	20255800000	21091400000	22179700000	25604900000	21921900000	10
4,4'-DDE	24569100000	24207200000	25320900000	26478800000	30705400000	26256200000	10
4,4'-DDT	22316700000	22065900000	22865900000	23799600000	25987600000	23407100000	7
Aldrin	25825700000	25415900000	26660900000	27560900000	31468400000	27386400000	9
alpha-BHC	28631100000	28136600000	29329200000	29877800000	34249100000	30044800000	8
alpha-Chlordane	24083300000	23760200000	24855100000	25980200000	30282000000	25792200000	10
beta-BHC	11020300000	10942900000	11533600000	12035800000	13980700000	11902700000	10
Decachlorobiphenyl	22483400000	22341200000	23337400000	24766100000	29913700000	24568400000	13
delta-BHC	26556500000	26106300000	27254800000	27875100000	31688500000	27896200000	8
Dieldrin	24513400000	24260900000	25547300000	26668700000	31143400000	26426700000	11
Endosulfan I	21703200000	21774700000	22892800000	24109100000	28250500000	23746000000	11
Endosulfan II	21105100000	21003800000	22069300000	23384500000	27278000000	22968100000	11
Endosulfan sulfate	20342700000	20429000000	21246000000	22686800000	26285700000	22198000000	11
Endrin	22221400000	22119900000	23268200000	24542100000	28755900000	24181500000	11
Endrin aldehyde	15031000000	15069000000	15779800000	16936900000	20170600000	16597500000	13
Endrin ketone	22291500000	22370000000	23425000000	25122500000	29235500000	24488900000	12
gamma-BHC (Lindane)	26417200000	26004200000	27090700000	27637900000	31661500000	27762300000	8
gamma-Chlordane	25118500000	24724000000	25810900000	26855300000	31254900000	26752700000	10
Heptachlor	26144800000	25924100000	27192000000	28328900000	32502000000	28018400000	10
Heptachlor epoxide	22879600000	22776700000	24015400000	25146900000	29489500000	24861600000	11
Methoxychlor	10964900000	11074700000	11733900000	12584100000	14602000000	12191900000	12
Tetrachloro-m-xylene	18220100000	18058900000	18987900000	19622400000	22941400000	19566100000	10