

CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: EARTH03
SDG NO.: Q3832

Calibration Date(s): 12/08/2025 12/08/2025
Calibration Times: 15:09 16:03

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

LAB FILE ID:		CF 100 =	<u>PD091481.D</u>	CF 075 =	<u>PD091482.D</u>		
CF 050 =		<u>PD091483.D</u>	CF 025 =	<u>PD091484.D</u>	CF 005 =	<u>PD091485.D</u>	
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	4579120000	4639720000	4523160000	4555750000	4716360000	4602820000	2
4,4'-DDE	5779280000	5892820000	5756320000	5753890000	5864650000	5809390000	1
4,4'-DDT	5121650000	5175250000	5048960000	5090770000	5345670000	5156460000	2
Aldrin	6819680000	7059090000	6886500000	6926640000	7097310000	6957840000	2
alpha-BHC	8353280000	8376480000	8051960000	7877410000	7595380000	8050900000	4
alpha-Chlordane	6287560000	6438540000	6369880000	6674420000	7810600000	6716200000	9
beta-BHC	2693260000	2773490000	2767330000	2932590000	3268690000	2887070000	8
Decachlorobiphenyl	4683640000	4854830000	4922070000	5372580000	6157000000	5198020000	11
delta-BHC	6218880000	6272710000	5977640000	5871060000	5571050000	5982270000	5
Dieldrin	6427120000	6542330000	6414320000	6454450000	6695670000	6506780000	2
Endosulfan I	5840790000	5990310000	5931890000	6120850000	6665110000	6109790000	5
Endosulfan II	5362960000	5505160000	5533320000	5965250000	8037190000	6080780000	18
Endosulfan sulfate	5050450000	5142130000	5111170000	5303530000	5788930000	5279240000	6
Endrin	5557100000	5635030000	5505600000	5563010000	5780280000	5608200000	2
Endrin aldehyde	3894900000	4000290000	4002290000	4219360000	4770070000	4177380000	8
Endrin ketone	5404130000	5495010000	5447080000	5659030000	6164150000	5633880000	6
gamma-BHC (Lindane)	7671910000	7735050000	7465630000	7375770000	7330240000	7515720000	2
gamma-Chlordane	6227370000	6372860000	6222700000	6304590000	6757580000	6377020000	3
Heptachlor	6952400000	7072060000	6917500000	6987030000	7565530000	7098900000	4
Heptachlor epoxide	5883560000	6080570000	5982150000	6343250000	6672070000	6192320000	5
Methoxychlor	2493520000	2555740000	2569740000	2728230000	3092680000	2687980000	9
Tetrachloro-m-xylene	3251060000	3343560000	3349890000	3549710000	3872320000	3473310000	7

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Calibration Date(s): 12/08/2025 12/08/2025
Calibration Times: 15:09 16:03

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

LAB FILE ID:		CF 100 = <u>PD091481.D</u>	CF 075 = <u>PD091482.D</u>				
CF 050 = <u>PD091483.D</u>		CF 025 = <u>PD091484.D</u>	CF 005 = <u>PD091485.D</u>				
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	40563700000	42868900000	43750200000	47169200000	53085700000	45487500000	11
4,4'-DDE	48787600000	51617900000	52713500000	56864300000	64054400000	54807500000	11
4,4'-DDT	43900100000	46021200000	46721600000	48760000000	51590700000	47398700000	6
Aldrin	51907000000	54725200000	55832800000	60028000000	67438000000	57986200000	10
alpha-BHC	63667000000	65476500000	65662500000	69227800000	76834900000	68173700000	8
alpha-Chlordane	47953600000	50307400000	51451000000	55287900000	62754900000	53551000000	11
beta-BHC	21190200000	22242700000	22924300000	24571000000	28867000000	23959000000	13
Decachlorobiphenyl	38176600000	39143100000	39996700000	41508800000	48228700000	41410800000	10
delta-BHC	55002700000	57028900000	57836400000	61224100000	68342200000	59886900000	9
Dieldrin	49241300000	52176000000	53646800000	57602500000	64653700000	55464000000	11
Endosulfan I	42921600000	45232500000	47126000000	51141000000	58523800000	48989000000	13
Endosulfan II	41394600000	43750200000	45159600000	48122500000	57145300000	47114400000	13
Endosulfan sulfate	41155800000	43302700000	44767900000	46802000000	54439800000	46093700000	11
Endrin	45317500000	47843400000	49487500000	53828200000	64913700000	52278100000	15
Endrin aldehyde	30861500000	32780400000	33996700000	36384500000	44432300000	35691100000	15
Endrin ketone	43085500000	45422600000	47390000000	48876700000	58439800000	48642900000	12
gamma-BHC (Lindane)	51269700000	53765100000	54102400000	57888300000	64120200000	56229200000	9
gamma-Chlordane	50182800000	52763300000	53670800000	57546600000	64941100000	55820900000	10
Heptachlor	51929700000	54754900000	56222500000	60275100000	68237000000	58283800000	11
Heptachlor epoxide	44426000000	47110900000	48711500000	52646000000	60090500000	50597000000	12
Methoxychlor	20918300000	22241400000	23265200000	24000900000	27564500000	23598100000	11
Tetrachloro-m-xylene	35806100000	36994700000	37706700000	40254600000	46254000000	39403200000	11