

CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: ROYF02
SDG NO.: Q3176

Calibration Date(s): 09/15/2025 09/15/2025
Calibration Times: 09:34 19:21

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

LAB FILE ID:		CF 1000 = <u>PO113720.D</u>		CF 750 = <u>PO113721.D</u>			
CF 500 = <u>PO113722.D</u>		CF 250 = <u>PO113723.D</u>		CF 050 = <u>PO113724.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	279831097	287472752	292257338	332268632	325738980	8
Aroclor-1016-2	(2)	419615441	429789385	439630440	492863176	493423100	8
Aroclor-1016-3	(3)	264606829	274358713	282734982	335166652	339181720	12
Aroclor-1016-4	(4)	220679515	227430096	236573942	251207960	266000940	8
Aroclor-1016-5	(5)	221161183	229729939	240498310	258108880	251005100	6
Aroclor-1260-1	(1)	451552761	471491176	474059886	507788164	546116300	8
Aroclor-1260-2	(2)	696304563	729550533	748950352	813407288	840985420	8
Aroclor-1260-3	(3)	574976216	607269133	635434940	723540836	822837840	15
Aroclor-1260-4	(4)	393925161	402138616	416474848	460301232	490840000	10
Aroclor-1260-5	(5)	1123652016	1096405636	1111782554	1193531308	1138663840	3
Decachlorobiphenyl		6329905650	6344624080	6521704980	7067879800	7187292000	6
Tetrachloro-m-xylene		8408389270	8593125013	8709615100	9391670440	8995637600	4
Aroclor-1242-1	(1)	238599676	240720349	228247758	257159088	146270660	20
Aroclor-1242-2	(2)	362617467	360722704	342353350	393496496	221429160	20
Aroclor-1242-3	(3)	227891791	227998801	217213648	247566408	154288520	17
Aroclor-1242-4	(4)	185677557	186112447	176530238	202181048	124089440	17
Aroclor-1242-5	(5)	203750446	205780253	194932678	234457364	207956060	7
Decachlorobiphenyl		6625063440	6674671280	6788602460	7173491920	4387615000	17
Tetrachloro-m-xylene		8568753780	8503816840	8003156340	9089751000	5283727200	19
Aroclor-1248-1	(1)	175951880	180949771	185151304	187344088	171954220	4
Aroclor-1248-2	(2)	241204409	248355665	250410428	264222632	211901240	8
Aroclor-1248-3	(3)	311971277	319675973	325795004	350237008	314744160	5
Aroclor-1248-4	(4)	478786582	491838525	498712610	536762996	495510440	4
Aroclor-1248-5	(5)	326343326	337739332	340979574	367185960	318715000	5
Decachlorobiphenyl		6906923760	6991953907	7181732520	7612820120	5681727800	10
Tetrachloro-m-xylene		8281619260	8465620507	8425382600	8733430400	6417874600	12
Aroclor-1254-1	(1)	525265407	536188556	564134008	621264868	479241140	10
Aroclor-1254-2	(2)	478176368	488478569	519631638	583021712	472883720	9
Aroclor-1254-3	(3)	746637997	760372989	800603668	890308500	712603920	9
Aroclor-1254-4	(4)	554979056	565283144	587994066	646517864	379494280	18
Aroclor-1254-5	(5)	718134746	733343003	760419284	795296128	714490520	5
Decachlorobiphenyl		7203849800	7364098027	7605167340	8057726000	6076737800	10
Tetrachloro-m-xylene		8326407670	8484622733	8619663240	9079782920	6520976600	12
Aroclor-1268-1	(1)	1758947774	1709816927	1785772362	1945135008	1654311040	6

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Aroclor-1268-2	(2)	1483041115	1450283463	1507897996	1638884712	1362761360	1488573729	7
Aroclor-1268-3	(3)	1211444046	1190914560	1240719650	1354691068	1116147840	1222783433	7
Aroclor-1268-4	(4)	446305248	439383757	459862146	499372456	429000100	454784741	6
Aroclor-1268-5	(5)	3222969842	3094367483	3187698556	3417074196	2682918220	3121005659	9
Decachlorobiphenyl		13813421760	13413455987	13885344600	15047923920	11999959200	13632021093	8
Tetrachloro-m-xylene		8650489570	8416864440	8733056840	9508670200	6744065200	8410629250	12

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Calibration Times: 09:34 19:21

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

LAB FILE ID:		CF 1000 = <u>PO113720.D</u>		CF 750 = <u>PO113721.D</u>			
CF 500 = <u>PO113722.D</u>		CF 250 = <u>PO113723.D</u>		CF 050 = <u>PO113724.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	161194959	167555515	172213236	197943584	212300180	12
Aroclor-1016-2	(2)	247660649	254215127	266109690	295452504	320788840	11
Aroclor-1016-3	(3)	132478875	137775607	144079418	158682380	173701980	11
Aroclor-1016-4	(4)	104213080	109199812	115770016	129547460	144816260	14
Aroclor-1016-5	(5)	131110272	137976827	144614834	165292304	171336360	12
Aroclor-1260-1	(1)	220737147	228186052	237294134	270069216	300160800	13
Aroclor-1260-2	(2)	290821079	295868247	313059866	353160924	400129960	14
Aroclor-1260-3	(3)	243248258	249887552	265854760	308918420	333877760	14
Aroclor-1260-4	(4)	166358067	173783024	182499490	209711196	223704380	13
Aroclor-1260-5	(5)	376721298	381888356	400424476	450051720	519309860	14
Decachlorobiphenyl		1971088000	1990798747	2046674720	2250657920	2179534400	6
Tetrachloro-m-xylene		5023699930	5127536973	5213659900	5649531080	5690644400	6
Aroclor-1242-1	(1)	140070279	141394544	137879020	161129568	101738300	16
Aroclor-1242-2	(2)	212507654	216303512	209728396	243981540	153746360	16
Aroclor-1242-3	(3)	114358137	116433633	116071012	134530132	98664540	11
Aroclor-1242-4	(4)	108951291	110656661	111486918	130110352	113781160	8
Aroclor-1242-5	(5)	137204941	140225116	141656710	164146076	126006440	10
Decachlorobiphenyl		2013236400	2036818507	2055399480	2187990440	1370225400	17
Tetrachloro-m-xylene		5081963720	5070567053	4816444880	5487100000	3160127800	19
Aroclor-1248-1	(1)	104656676	109107384	112539406	121726504	98599380	8
Aroclor-1248-2	(2)	146373463	152254041	158543364	175696640	155007980	7
Aroclor-1248-3	(3)	155110693	160619584	167536538	186260212	165045720	7
Aroclor-1248-4	(4)	182007971	188031200	194979064	215245372	191166620	7
Aroclor-1248-5	(5)	185591629	190752652	199422540	222580060	215555020	8
Decachlorobiphenyl		2031704490	2074468760	2119835620	2240995600	1660075400	11
Tetrachloro-m-xylene		4917523020	5005006120	5026178760	5438510280	4106940200	10
Aroclor-1254-1	(1)	279563251	289274152	304362018	339134132	299656300	7
Aroclor-1254-2	(2)	241241488	250685427	264723600	295034360	268710580	8
Aroclor-1254-3	(3)	370644030	380249351	395058822	433239944	357396100	8
Aroclor-1254-4	(4)	235623256	242545119	253069482	278102248	177620780	16
Aroclor-1254-5	(5)	290238808	298084172	311869266	340236600	294431680	7
Decachlorobiphenyl		2023494990	2074021307	2154035320	2293253640	1745979000	10
Tetrachloro-m-xylene		4906596160	4990801373	5101889120	5432554640	4242824600	9
Aroclor-1268-1	(1)	463812746	461069815	484852436	552413272	478530480	8

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Aroclor-1268-2	(2)	382551151	381395492	400241488	450975464	376701220	398372963	8
Aroclor-1268-3	(3)	309516041	307584487	322365468	361316928	330962760	326349137	7
Aroclor-1268-4	(4)	126169269	122567489	128850366	141798540	114523000	126781733	8
Aroclor-1268-5	(5)	880606144	856364473	894951184	981182000	782994000	879219560	8
Decachlorobiphenyl		3812230710	3735660987	3912512580	4347451840	3518286000	3865228423	8
Tetrachloro-m-xylene		5092073170	4970547720	5151696080	5694720080	4205757800	5022958970	11