

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: ATCE02

Lab Code: CHEM **Case No.:** Q1617 **SAS No.:** Q1617 **SDG NO.:** Q1617

Instrument ID: ECD_P **Calibration Date(s):** 03/11/2025 03/11/2025
Calibration Times: 15:13 23:38

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

LAB FILE ID:		CF 1000 = <u>PP070419.D</u>		CF 750 = <u>PP070420.D</u>			
CF 500 = <u>PP070421.D</u>		CF 250 = <u>PP070422.D</u>		CF 050 = <u>PP070423.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	46284919	48624555	51195480	56320148	56830900	9
Aroclor-1016-2	(2)	68727144	72260815	75092688	79473188	62170340	9
Aroclor-1016-3	(3)	41881157	43836071	46346194	49629608	45996640	6
Aroclor-1016-4	(4)	34693414	37117197	39579046	42287028	41512180	8
Aroclor-1016-5	(5)	32535779	33720589	35503344	36571056	34779300	5
Aroclor-1260-1	(1)	55067637	58265401	60660348	63250936	56446720	6
Aroclor-1260-2	(2)	75483004	79277409	82983970	87347188	85123440	6
Aroclor-1260-3	(3)	62678610	64989695	68010270	70682128	62427680	5
Aroclor-1260-4	(4)	60990738	64683661	66152948	69503548	65382940	5
Aroclor-1260-5	(5)	130557968	135103443	140419232	146528904	130778620	5
Decachlorobiphenyl		1005446690	1044219213	1084386360	1134008440	1043654800	5
Tetrachloro-m-xylene		1462968010	1529300040	1575427920	1661278640	1547936200	5
Aroclor-1232-1	(1)	31812517	33409335	34815870	38072588	39676960	9
Aroclor-1232-2	(2)	16331114	17367928	17709532	17293972	15638140	5
Aroclor-1232-3	(3)	33685372	35206453	37651060	39178940	37126640	6
Aroclor-1232-4	(4)	17112653	18207945	18881288	20579940	20189680	8
Aroclor-1232-5	(5)	12358074	13019340	13596998	11696560	14140280	7
Decachlorobiphenyl		1007346640	1061633867	1110112680	1150608440	1055455400	5
Tetrachloro-m-xylene		1503870440	1587673493	1628432540	1684437880	1564380200	4
Aroclor-1242-1	(1)	39253435	41704367	43482132	47856472	49946320	10
Aroclor-1242-2	(2)	58252556	60113944	62228844	66050560	60258320	5
Aroclor-1242-3	(3)	35362447	36380501	38652894	41645404	33464760	9
Aroclor-1242-4	(4)	29479509	30833784	32552722	35082164	32717220	7
Aroclor-1242-5	(5)	29991669	31404576	32011208	32699504	29130640	5
Decachlorobiphenyl		1017143570	1063398627	1098678020	1146617040	1019213600	5
Tetrachloro-m-xylene		1483500490	1538532373	1587702840	1655080400	1578490200	4
Aroclor-1248-1	(1)	30241509	31836707	34371560	37879708	36450300	9
Aroclor-1248-2	(2)	39839483	41732589	44072986	47187728	39403540	8
Aroclor-1248-3	(3)	43671743	45535401	47272778	48829472	45433820	4
Aroclor-1248-4	(4)	52673121	54800967	57547552	61348180	63586480	8
Aroclor-1248-5	(5)	49495855	52225937	54279376	57435820	54999800	6
Decachlorobiphenyl		1018745530	1065079280	1110066380	1164168240	1044426200	5
Tetrachloro-m-xylene		1464367110	1509550200	1593080400	1654989520	1637278400	5
Aroclor-1254-1	(1)	52191144	54776691	58408862	62528540	58393680	7

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1254-2	(2)	76163232	79292283	83746208	89006644	77052340	81052141	7
Aroclor-1254-3	(3)	78867294	81324341	86343146	90140028	84184220	84171806	5
Aroclor-1254-4	(4)	65665428	68036704	71633390	75767876	69582520	70137184	5
Aroclor-1254-5	(5)	65604720	67856063	71049052	74607116	70169360	69857262	5
Decachlorobiphenyl		1051774640	1084735960	1131757040	1190025520	1071423800	1105943392	5
Tetrachloro-m-xylene		1491401080	1547951320	1596952960	1679816880	1638007800	1590826008	5
Aroclor-1268-1	(1)	188529701	191493623	201496426	211079324	198399040	198199623	4
Aroclor-1268-2	(2)	162712211	165423828	173208520	180425992	166812140	169716538	4
Aroclor-1268-3	(3)	139964894	142620983	149835492	155687892	143563980	146334648	4
Aroclor-1268-4	(4)	62601215	63262983	66177076	67604984	59759620	63881176	5
Aroclor-1268-5	(5)	401160937	407647449	423231624	443337256	421401480	419355749	4
Decachlorobiphenyl		1797305300	1841882720	1928545440	2018232880	1865263000	1890245868	5
Tetrachloro-m-xylene		1559644910	1556664040	1644040220	1708675120	1710882200	1635981298	5

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: ATCE02

Lab Code: CHEM **Case No.:** Q1617 **SAS No.:** Q1617 **SDG NO.:** Q1617

Instrument ID: ECD_P **Calibration Date(s):** 03/11/2025 03/11/2025
Calibration Times: 15:13 23:38

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

LAB FILE ID:		CF 1000 = <u>PP070419.D</u>		CF 750 = <u>PP070420.D</u>			
CF 500 = <u>PP070421.D</u>		CF 250 = <u>PP070422.D</u>		CF 050 = <u>PP070423.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	31619052	35012463	36116294	39457560	37557300	35952534
Aroclor-1016-2	(2)	44662617	48866077	51001758	55603496	59699380	51966666
Aroclor-1016-3	(3)	24906943	27191785	28703256	30683884	30781120	28453398
Aroclor-1016-4	(4)	19770953	21670935	22902960	24389748	23214920	22389903
Aroclor-1016-5	(5)	25646269	27397575	29268330	32409960	33872260	29718879
Aroclor-1260-1	(1)	45267436	47641613	50061678	53643092	52308080	49784380
Aroclor-1260-2	(2)	60652513	64073769	66616364	70066968	69027800	66087483
Aroclor-1260-3	(3)	52248928	55432315	57823148	61011000	59471320	57197342
Aroclor-1260-4	(4)	47067710	49841909	53961982	55559372	49386640	51163523
Aroclor-1260-5	(5)	123950775	130046140	135804906	136761852	117362580	128785251
Decachlorobiphenyl		935400030	944501173	996009380	1027099200	988797000	978361357
Tetrachloro-m-xylene		901898260	976425347	1019517980	1052535320	1061027800	1002280941
Aroclor-1232-1	(1)	23977464	25043855	25876362	28218616	28432280	26309715
Aroclor-1232-2	(2)	23409194	24148587	25178540	27689696	28634420	25812087
Aroclor-1232-3	(3)	12864968	13117912	13753150	14320588	15988100	14008944
Aroclor-1232-4	(4)	10909254	11094221	11677434	12331552	12548800	11712252
Aroclor-1232-5	(5)	12122932	12663212	13051746	13538632	13963480	13068000
Decachlorobiphenyl		923591970	934486067	965069440	1131453800	1083832600	1007686775
Tetrachloro-m-xylene		981294310	1023698747	1027014040	1102661240	1188146200	1064562907
Aroclor-1242-1	(1)	28374294	28991207	30174104	32528448	32989020	30611415
Aroclor-1242-2	(2)	40120133	40663773	41940388	45612680	49650880	43597571
Aroclor-1242-3	(3)	22172127	22503904	23797688	25561184	25126720	23832325
Aroclor-1242-4	(4)	20777408	21261321	22368954	23941300	21863540	22042505
Aroclor-1242-5	(5)	26011255	26949576	28142034	29660872	28841860	27921119
Decachlorobiphenyl		890780220	996610280	1018649180	1070124720	1151487200	1025530320
Tetrachloro-m-xylene		949681240	969479187	1000171980	1041407720	1043402000	1000828425
Aroclor-1248-1	(1)	21916865	22139940	24138102	25281632	23901120	23475532
Aroclor-1248-2	(2)	28154371	29147072	31604814	33306732	34304240	31303446
Aroclor-1248-3	(3)	29522180	30421332	32954472	34362676	31347200	31721572
Aroclor-1248-4	(4)	34974296	35760019	38441344	40862964	44827240	38973173
Aroclor-1248-5	(5)	34216861	35543065	38522800	40509348	41641320	38086679
Decachlorobiphenyl		933290630	982033680	1000188180	1068098600	1015594400	999841098
Tetrachloro-m-xylene		948607640	978544213	1031768560	1070844800	1068084800	1019570003
Aroclor-1254-1	(1)	49741488	53083060	56518628	60344088	61926700	56322793

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1254-2	(2)	43195538	45981229	48525194	52438220	54392240	48906484	9
Aroclor-1254-3	(3)	69004581	72181184	75732026	81417896	78754240	75417985	7
Aroclor-1254-4	(4)	48529875	50966111	53417608	57048936	53797000	52751906	6
Aroclor-1254-5	(5)	63254548	65263447	68912458	73214624	74627960	69054607	7
Decachlorobiphenyl		966187920	982212947	1086993960	1153126680	1151501200	1068004541	8
Tetrachloro-m-xylene		967205180	984098413	1019987640	1086171680	989309800	1009354543	5
Aroclor-1268-1	(1)	168373725	166057156	179047242	187011272	174871700	175072219	5
Aroclor-1268-2	(2)	142006892	140092196	149842434	153490708	144862740	146058994	4
Aroclor-1268-3	(3)	125351560	120465205	129564250	133099628	133160800	128328289	4
Aroclor-1268-4	(4)	54287293	53233979	56809814	58479952	52090820	54980372	5
Aroclor-1268-5	(5)	364151928	362236821	378313444	380892964	354578080	368034647	3
Decachlorobiphenyl		1632116030	1658280453	1742317540	1836812000	1806314000	1735168005	5
Tetrachloro-m-xylene		1019432100	1034489600	1102868440	1184868600	1114308600	1091193468	6