

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: ROYF02

Lab Code: CHEM **Case No.:** Q1664 **SAS No.:** Q1664 **SDG NO.:** Q1664

Instrument ID: ECD_P **Calibration Date(s):** 03/27/2025 03/27/2025
Calibration Times: 10:30 17:53

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

LAB FILE ID:		CF 1000 = <u>PP070917.D</u>		CF 750 = <u>PP070918.D</u>			
CF 500 = <u>PP070919.D</u>		CF 250 = <u>PP070920.D</u>		CF 050 = <u>PP070921.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	47478014	49171687	50934060	54324668	52347880	50851262
Aroclor-1016-2	(2)	72483549	74568483	78811172	80433884	83971080	78053634
Aroclor-1016-3	(3)	43541298	44043953	46815864	48849960	52621940	47174603
Aroclor-1016-4	(4)	36661280	36602855	39014928	39212148	32287440	36755730
Aroclor-1016-5	(5)	32204227	33487635	35040682	36610940	32217200	33912137
Aroclor-1260-1	(1)	60625379	62238407	66823960	72729028	73347280	67152811
Aroclor-1260-2	(2)	90805769	95497569	97808710	102858984	93710780	96136362
Aroclor-1260-3	(3)	75946924	78957439	82970652	86114216	75601760	79918198
Aroclor-1260-4	(4)	67190656	75020355	81451428	78145636	91876440	78736903
Aroclor-1260-5	(5)	154592706	156108101	159960800	166857288	156911780	158886135
Decachlorobiphenyl		1019047430	1065730867	1116449000	1115108760	946747800	1052616771
Tetrachloro-m-xylene		1424837400	1461405720	1519248320	1595716440	1306667000	1461574976
Aroclor-1242-1	(1)	40990074	42746281	43432670	43984636	48732080	43977148
Aroclor-1242-2	(2)	64704598	63862937	67024876	68850388	57138840	64316328
Aroclor-1242-3	(3)	39349869	38048504	39702972	40627540	47468380	41039453
Aroclor-1242-4	(4)	30814559	31466187	32277086	32194644	25864220	30523339
Aroclor-1242-5	(5)	36006298	34981232	37334376	38560396	35669740	36510408
Decachlorobiphenyl		1036298130	1063489027	1106293120	1153452680	1056566000	1083219791
Tetrachloro-m-xylene		1443947330	1507747640	1537397120	1567165920	1326698400	1476591282
Aroclor-1248-1	(1)	31141042	33379292	33781538	45988760	37146900	36287506
Aroclor-1248-2	(2)	42399779	44979081	46192256	47122176	43999640	44938586
Aroclor-1248-3	(3)	48055172	50777464	51825052	50697180	51832600	50637494
Aroclor-1248-4	(4)	59878410	63471275	67039892	73429036	56919340	64147591
Aroclor-1248-5	(5)	56652876	60504408	64286140	68519384	54268440	60846250
Decachlorobiphenyl		1072017300	1124462173	1205136680	1167091680	1109917800	1135725127
Tetrachloro-m-xylene		1462181050	1544091280	1549039360	1559485200	1464932600	1515945898
Aroclor-1254-1	(1)	60157506	63067431	65471886	66806416	66447920	64390232
Aroclor-1254-2	(2)	92838442	97047215	101802392	105556104	108208740	101090579
Aroclor-1254-3	(3)	92334650	98055471	99416554	103841140	104991280	99727819
Aroclor-1254-4	(4)	84238161	87780547	86802510	88788836	85373700	86596751
Aroclor-1254-5	(5)	74433164	79038301	80854650	83958584	83470140	80350968
Decachlorobiphenyl		1095432410	1144692320	1168417220	1194330360	1035516600	1127677782
Tetrachloro-m-xylene		1501288360	1551275560	1575746420	1626904120	1301718600	1511386612
Aroclor-1268-1	(1)	226575551	237927453	239660032	247892192	225482800	235507606

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Aroclor-1268-2	(2)	190380276	198934901	200232346	204948924	182079900	195315269	4
Aroclor-1268-3	(3)	163648333	171737784	173955356	177246576	167979860	170913582	3
Aroclor-1268-4	(4)	70377008	73665913	73237284	74802952	61652780	70747187	7
Aroclor-1268-5	(5)	459553484	481598519	482514296	498456744	458756600	476175929	3
Decachlorobiphenyl		1956984350	2055290840	2095781900	2171413960	2007035400	2057301290	4
Tetrachloro-m-xylene		1523485290	1594639080	1607574540	1645012520	1440121400	1562166566	5

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Instrument ID: ECD_P **Calibration Date(s):** 03/27/2025 03/27/2025
Calibration Times: 10:30 17:53

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

LAB FILE ID:		CF 1000 = <u>PP070917.D</u>		CF 750 = <u>PP070918.D</u>			
CF 500 = <u>PP070919.D</u>		CF 250 = <u>PP070920.D</u>		CF 050 = <u>PP070921.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	34208953	37661787	37955886	45294856	45319420	40088180
Aroclor-1016-2	(2)	49610574	53393839	54380778	65503040	66437080	57865062
Aroclor-1016-3	(3)	27000462	29732755	29849058	35508136	32526120	30923306
Aroclor-1016-4	(4)	21229955	23465415	23793788	28635320	24655080	24355912
Aroclor-1016-5	(5)	26939544	29893109	30154374	37292184	37326660	32321174
Aroclor-1260-1	(1)	45249076	46519276	48240522	56226688	59796020	51206316
Aroclor-1260-2	(2)	58475471	61260192	62904038	69183788	67145740	63793846
Aroclor-1260-3	(3)	50913622	52312629	53920638	58739540	56547700	54486826
Aroclor-1260-4	(4)	42366044	44395528	47488628	49955128	54926140	47826294
Aroclor-1260-5	(5)	113066934	116639771	125312810	127263128	140268800	124510289
Decachlorobiphenyl		793547960	846236520	865016160	753569280	682611000	788196184
Tetrachloro-m-xylene		926488500	1023245573	1036748080	1124812280	1071924800	1036643847
Aroclor-1242-1	(1)	30391529	31772724	34649408	38698720	35466820	34195840
Aroclor-1242-2	(2)	43879042	45075739	49434800	55503780	52395240	49257720
Aroclor-1242-3	(3)	24103124	24630729	26618958	29833472	28035100	26644277
Aroclor-1242-4	(4)	23086538	23159225	25581538	28618736	31445140	26378235
Aroclor-1242-5	(5)	28647762	29235153	31558738	32962404	32387440	30958299
Decachlorobiphenyl		794686010	779465320	775544600	851493360	677466800	775731218
Tetrachloro-m-xylene		994474400	1020857307	1119824860	1120535680	1106593200	1072457089
Aroclor-1248-1	(1)	23297586	26737011	28501250	29207540	27656520	27079981
Aroclor-1248-2	(2)	31071420	35918237	38274460	38702620	39645560	36722459
Aroclor-1248-3	(3)	32592570	37701093	39964120	40477712	42561380	38659375
Aroclor-1248-4	(4)	38114246	43411732	47181776	48244244	48753000	45141000
Aroclor-1248-5	(5)	37031094	41115012	43925318	46634268	44688040	42678746
Decachlorobiphenyl		763432400	822192813	827097300	806313080	732328400	790272799
Tetrachloro-m-xylene		969522160	1045815880	1138159760	1084071480	1169729800	1081459816
Aroclor-1254-1	(1)	58928147	61799583	66082486	73787844	69490960	66017804
Aroclor-1254-2	(2)	50145967	53786207	56793554	64034708	60730300	57098147
Aroclor-1254-3	(3)	77448562	83642240	87764778	99090376	86260880	86841367
Aroclor-1254-4	(4)	49998215	54614948	55966900	64174348	55747980	56100478
Aroclor-1254-5	(5)	65979008	71358709	71825896	82425644	69163880	72150627
Decachlorobiphenyl		783483810	796181933	910832540	850283840	759277600	820011945
Tetrachloro-m-xylene		1042595600	1091536387	1108578240	1195164040	1067355200	1101045893
Aroclor-1268-1	(1)	165356134	175541800	174753666	176934688	164423820	171402022

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Aroclor-1268-2	(2)	137801505	147739099	145758868	146778256	138336660	143282878	3
Aroclor-1268-3	(3)	120132746	127507232	124391202	127247744	116467620	123149309	4
Aroclor-1268-4	(4)	51096977	54505272	53344994	55689972	49428660	52813175	5
Aroclor-1268-5	(5)	357060145	376226307	370949858	366544744	338563340	361868879	4
Decachlorobiphenyl		1484820890	1579158933	1563503220	1620729960	1432317200	1536106041	5
Tetrachloro-m-xylene		1051289840	1118865693	1118283520	1183542080	1260888000	1146573827	7