

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CHEM02
Lab Code: CHEM **Case No.:** O2213 **SAS No.:** O2213 **SDG NO.:** O2213
Instrument ID: ECD_Q **Calibration Date(s):** 03/27/2023 03/27/2023
Calibration Times: 10:20 16:54
GC Column: ZB-MR1 **ID:** 0.32 (mm)

LAB FILE ID:								
CF 1000 = <u>PQ060666.D</u>		CF 750 = <u>PQ060667.D</u>		CF 500 = <u>PQ060668.D</u>		CF 250 = <u>PQ060669.D</u>		
CF 750 = <u>PQ060667.D</u>		CF 500 = <u>PQ060668.D</u>		CF 250 = <u>PQ060669.D</u>		CF 050 = <u>PQ060670.D</u>		
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	253994796	262049883	274737442	302538848	297912660	278246726	8
Aroclor-1016-2	(2)	379385761	390569017	415498656	453733956	438800720	415597622	8
Aroclor-1016-3	(3)	234956073	244329431	260919082	286621348	277452500	260855687	8
Aroclor-1016-4	(4)	197429882	205201449	218378402	239159648	221196560	216273188	7
Aroclor-1016-5	(5)	189344338	197628273	211396362	230936016	283471920	222555382	17
Aroclor-1260-1	(1)	348510217	360675744	380866166	414200628	418085960	384467743	8
Aroclor-1260-2	(2)	412827637	428145975	449906702	492707452	506432500	458004053	9
Aroclor-1260-3	(3)	262555627	273121067	290520080	313319560	308063880	289516043	8
Aroclor-1260-4	(4)	312437676	323289664	342885154	376312840	366797400	344344547	8
Aroclor-1260-5	(5)	598432896	619248256	644906758	693681068	711561860	653566168	7
Decachlorobiphenyl		5186634190	5366558667	5634328260	6048274400	5979693400	5643097783	7
Tetrachloro-m-xylene		7279053950	7428061933	7779496260	8337693400	8426411800	7850143469	7
Aroclor-1221-1	(1)	93776231	95928945	102880736	104068268	101962780	99723392	5
Aroclor-1221-2	(2)	69626402	71049572	75941154	78784732	81080180	75296408	7
Aroclor-1221-3	(3)	202972121	208961477	224265664	243395160	232699320	222458748	7
Decachlorobiphenyl		5277942060	5333871347	5587898960	5905423280	5585491800	5538125489	5
Tetrachloro-m-xylene		7645259970	7724250720	8046212600	8362582320	7925275000	7940716122	4
Aroclor-1242-1	(1)	196795585	205936951	218670074	224623968	213011980	211807712	5
Aroclor-1242-2	(2)	296217154	305398929	324048016	338446544	310843960	314990921	5
Aroclor-1242-3	(3)	184563471	192323037	206753844	217062180	207161480	201572802	6
Aroclor-1242-4	(4)	160603825	166355612	177777854	187531884	163147580	171083351	7
Aroclor-1242-5	(5)	160833584	166737536	177993172	178125136	162947600	169327406	5
Decachlorobiphenyl		5212562900	5361793453	5707888560	6072555440	5930474800	5657055031	6
Tetrachloro-m-xylene		7482746270	7651854507	8012796320	8378969960	8232242000	7951721811	5
Aroclor-1248-1	(1)	156608087	164318721	173990388	183725144	165483580	168825184	6
Aroclor-1248-2	(2)	207208760	217481125	231555142	249169672	239032200	228889380	7
Aroclor-1248-3	(3)	253916271	266350873	283046346	302469632	295281340	280212892	7
Aroclor-1248-4	(4)	285247616	297971901	315014568	335616052	322721880	311314403	6
Aroclor-1248-5	(5)	278614536	291528075	307579524	328374552	292987820	299816901	6
Decachlorobiphenyl		5199046800	5394219640	5737121180	6094812520	5901885800	5665417188	6
Tetrachloro-m-xylene		7376432590	7627266373	7929830820	8210103400	7835528600	7795832357	4
Aroclor-1254-1	(1)	279744107	300421632	313473412	349426596	348414700	318296089	10
Aroclor-1254-2	(2)	434827941	465911916	482067602	533357196	546586040	492550139	9
Aroclor-1254-3	(3)	454901032	488369573	497257934	545040828	542128640	505539601	8



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Aroclor-1254-4	(4)	337196826	356323516	371111620	406932584	400704560	374453821	8
Aroclor-1254-5	(5)	377858762	410698388	414584248	453264496	457908040	422862787	8
Decachlorobiphenyl		5327096730	5656515173	5715537380	6277234120	6356074000	5866491481	7
Tetrachloro-m-xylene		7502073980	7978111107	8089145840	8626411120	8424296200	8124007649	5

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Instrument ID: ECD_Q Calibration Date(s): 03/27/2023 03/27/2023

Calibration Times: 10:20 16:54

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

LAB FILE ID: CF 1000 = <u>PQ060666.D</u> CF 750 = <u>PQ060667.D</u> CF 500 = <u>PQ060668.D</u> CF 250 = <u>PQ060669.D</u> CF 050 = <u>PQ060670.D</u>							
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	133327553	139753685	142718170	151814000	148148480	5
Aroclor-1016-2	(2)	202167667	208327415	214006852	221851916	206157420	4
Aroclor-1016-3	(3)	106730589	110196147	112008420	119345752	106153280	5
Aroclor-1016-4	(4)	89100211	93167523	95327142	101163724	92228320	5
Aroclor-1016-5	(5)	109065465	114171807	116701506	122341360	127108800	6
Aroclor-1260-1	(1)	220994093	227176636	233407550	245193472	231545400	4
Aroclor-1260-2	(2)	273085636	280590392	286484900	301310272	291403280	4
Aroclor-1260-3	(3)	261357596	267050412	272738054	283669460	278076020	3
Aroclor-1260-4	(4)	195905106	199679156	205663708	212664616	197182760	3
Aroclor-1260-5	(5)	458810446	460460249	469924414	484371980	440146320	4
Decachlorobiphenyl		4543781790	4671209253	4753599160	4966660640	4629477000	3
Tetrachloro-m-xylene		3862536730	3987454547	3985090000	4093921520	3723981400	4
Aroclor-1221-1	(1)	46854548	48246575	50104450	51956380	46252080	5
Aroclor-1221-2	(2)	35412000	36395665	37547058	39554668	36827560	4
Aroclor-1221-3	(3)	107194354	110388088	115624912	121903980	112905820	5
Decachlorobiphenyl		4589147700	4619140627	4729155580	4861953480	4353120200	4
Tetrachloro-m-xylene		4012194020	4023420120	4093184080	4074637160	3492777600	6
Aroclor-1242-1	(1)	105256174	109020232	114164234	119701232	108805340	5
Aroclor-1242-2	(2)	156019349	158503621	166249652	170406412	157998020	4
Aroclor-1242-3	(3)	82182868	84516876	88719690	90513784	76956540	6
Aroclor-1242-4	(4)	77899123	80461376	85230568	88027868	82392040	5
Aroclor-1242-5	(5)	108249993	111411229	116867290	120035416	113766480	4
Decachlorobiphenyl		4519094950	4635886680	4859323200	4953128640	4640524400	4
Tetrachloro-m-xylene		4029320300	4059857267	4172180080	4180875680	3678455800	5
Aroclor-1248-1	(1)	83376457	86267511	91225144	94093040	86063400	5
Aroclor-1248-2	(2)	122351141	128129440	133431272	139736448	128191080	5
Aroclor-1248-3	(3)	117555335	123377107	129318456	134189288	123279800	5
Aroclor-1248-4	(4)	146771399	153575660	158873124	165188424	154558140	4
Aroclor-1248-5	(5)	147201236	152042373	157595414	162476300	147657620	4
Decachlorobiphenyl		4520221590	4707745427	4853219860	4987647000	4557026000	4
Tetrachloro-m-xylene		4062756470	4128362987	4241172640	4286663160	3753127200	5
Aroclor-1254-1	(1)	217177311	229342681	233249576	247224496	233531120	5
Aroclor-1254-2	(2)	195816254	206722341	210788024	223789996	212428680	5
Aroclor-1254-3	(3)	313434969	329792545	333169466	347452168	326752880	4



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Aroclor-1254-4	(4)	197302302	208231371	211618098	220493092	208958240	209320621	4
Aroclor-1254-5	(5)	308037947	346784016	327418560	342564748	310478480	327056750	5
Decachlorobiphenyl		4618918590	4850411733	4891553120	5128292680	4889139200	4875663065	4
Tetrachloro-m-xylene		4137001130	4347645720	4298928720	4419347840	3960345800	4232653842	4