

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: TULL02

Lab Code: CHEM **Case No.:** P5112 **SAS No.:** P5112 **SDG NO.:** P5112

Instrument ID: ECD_P **Calibration Date(s):** 11/08/2024 11/08/2024

Calibration Times: 02:45 10:39

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

LAB FILE ID:								
CF 1000 =		PP068361.D		CF 750 =		PP068362.D		
CF 500 =		PP068363.D		CF 250 =		PP068364.D		
CF 050 =		PP068365.D						
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	32722878	32987127	36694544	38565352	38710580	35936096	8
Aroclor-1016-2	(2)	49685960	49794715	54179380	56028812	55062580	52950289	6
Aroclor-1016-3	(3)	31039806	31308951	31477564	35261268	36454940	33108506	8
Aroclor-1016-4	(4)	25063539	25553636	26008648	27599052	27185460	26282067	4
Aroclor-1016-5	(5)	26884732	25863024	29532330	29666960	29092940	28207997	6
Aroclor-1260-1	(1)	49214333	49857676	55068012	59485260	56895620	54104180	8
Aroclor-1260-2	(2)	58512720	58794644	61905312	70175200	68666580	63610891	9
Aroclor-1260-3	(3)	49867434	49696453	52919146	61783152	54693800	53791997	9
Aroclor-1260-4	(4)	58030307	58392116	61219352	66884816	66613400	62227998	7
Aroclor-1260-5	(5)	110582405	105927285	110379288	122419072	116614180	113184446	6
Decachlorobiphenyl		1148744080	1179137973	1231906520	1372184000	1325426000	1251479715	8
Tetrachloro-m-xylene		976730760	989539880	977459580	1014058520	895270000	970611748	5
Aroclor-1242-1	(1)	27983462	28943796	29856910	31981108	30602220	29873499	5
Aroclor-1242-2	(2)	42123278	43550552	43993198	46167728	44675600	44102071	3
Aroclor-1242-3	(3)	26373595	27535909	27652176	30639224	27091300	27858441	6
Aroclor-1242-4	(4)	21517643	22331261	22041924	22696804	20812240	21879974	3
Aroclor-1242-5	(5)	23574356	24961212	24214552	25605828	23046100	24280410	4
Decachlorobiphenyl		1136957280	1191065427	1253556200	1358666560	1321692600	1252387613	7
Tetrachloro-m-xylene		992458220	982684227	997132340	1047919280	945647800	993168373	4
Aroclor-1248-1	(1)	21167087	22295227	23730874	24762524	20866540	22564450	7
Aroclor-1248-2	(2)	31519452	32630243	34719948	35861524	33321940	33610621	5
Aroclor-1248-3	(3)	34960996	35667725	37475430	40578268	33895940	36515672	7
Aroclor-1248-4	(4)	40590754	42179399	43079186	47529360	40549640	42785668	7
Aroclor-1248-5	(5)	41079234	41993397	42275646	47274032	35073820	41539226	10
Decachlorobiphenyl		1161914410	1206078453	1287629180	1388690560	1317466800	1272355881	7
Tetrachloro-m-xylene		965301010	976063867	1045296820	1022231200	905772600	982933099	6
Aroclor-1254-1	(1)	45656926	46370784	48591708	55398616	63414000	51886407	14
Aroclor-1254-2	(2)	61419018	62089981	65367616	73235084	79075760	68237492	11
Aroclor-1254-3	(3)	65006662	66406433	68483584	76667348	80726040	71458013	10
Aroclor-1254-4	(4)	47495422	48750441	50445040	59112016	63268560	53814296	13
Aroclor-1254-5	(5)	57629379	58072741	61204598	69375440	67051440	62666720	8
Decachlorobiphenyl		1183925920	1211314307	1284210900	1390837600	1376990800	1289455905	7
Tetrachloro-m-xylene		989066910	975183547	996076320	1021088560	988613200	994005707	2
Aroclor-1268-1	(1)	148554696	149057943	156954174	165835368	151067220	154293880	5

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Aroclor-1268-2	(2)	135127060	135811816	143719574	151054592	134221840	139986976	5
Aroclor-1268-3	(3)	121067798	121993447	126378426	137822256	120978560	125648097	6
Aroclor-1268-4	(4)	55813556	54500479	57743018	60592344	38533680	53436615	16
Aroclor-1268-5	(5)	385860144	385976919	400737274	424727304	387529100	396966148	4
Decachlorobiphenyl		1949212650	1956251560	2086617000	2251184600	2062984000	2061249962	6
Tetrachloro-m-xylene		999802000	981646360	1047559160	988642360	831404200	969810816	8

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Instrument ID: ECD_P **Calibration Date(s):** 11/08/2024 11/08/2024

Calibration Times: 02:45 10:39

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

LAB FILE ID:		CF 1000 = <u>PP068361.D</u>		CF 750 = <u>PP068362.D</u>			
CF 500 = <u>PP068363.D</u>		CF 250 = <u>PP068364.D</u>		CF 050 = <u>PP068365.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	28675269	31688729	32908702	36316968	35645980	33047130
Aroclor-1016-2	(2)	45372737	44532471	46481004	50131748	47195120	46742616
Aroclor-1016-3	(3)	25581263	25572389	25828308	29036828	29182360	27040230
Aroclor-1016-4	(4)	22022727	22558800	23000164	24742976	25650260	23594985
Aroclor-1016-5	(5)	28396741	28558155	29494206	33716108	28045580	29642158
Aroclor-1260-1	(1)	50792238	51496668	53738098	60629720	61588060	55648957
Aroclor-1260-2	(2)	59992941	60241951	64329398	71848292	74766160	66235748
Aroclor-1260-3	(3)	57127224	57366085	59805332	69966764	65191800	61891441
Aroclor-1260-4	(4)	50380547	50692913	52887170	57961512	51762800	52736988
Aroclor-1260-5	(5)	115281087	113974237	117997240	127736412	120391040	119076003
Decachlorobiphenyl		1067011790	1067726547	1123064240	1231914520	1166184600	1131180339
Tetrachloro-m-xylene		972289500	961505133	979740920	1035015200	892893600	968288871
Aroclor-1242-1	(1)	26036404	26596448	27385734	29619468	29310780	27789767
Aroclor-1242-2	(2)	36827504	37452539	38777442	41146472	38921400	38625071
Aroclor-1242-3	(3)	20664122	20558137	21869512	21695856	21612620	21280049
Aroclor-1242-4	(4)	21373603	21814177	23240642	23847296	23692700	22793684
Aroclor-1242-5	(5)	25609316	26872617	27207498	29810676	27756660	27451353
Decachlorobiphenyl		1071389140	1064856587	1152041260	1195523280	1288478000	1154457653
Tetrachloro-m-xylene		966238420	972029747	979866540	1033639640	930236800	976402229
Aroclor-1248-1	(1)	20444534	20222528	22256466	23287920	23025760	21847442
Aroclor-1248-2	(2)	29533815	29661357	32274092	34842920	33533080	31969053
Aroclor-1248-3	(3)	30992675	31236121	33896722	36614136	34801320	33508195
Aroclor-1248-4	(4)	36032257	36205659	39041408	42885656	39979000	38828796
Aroclor-1248-5	(5)	34550039	34918980	36548116	40687028	38637220	37068277
Decachlorobiphenyl		1075259530	1103159067	1175200200	1246394680	1231284200	1166259535
Tetrachloro-m-xylene		950224170	961311800	990959620	1038390440	915281600	971233526
Aroclor-1254-1	(1)	54665587	57402907	60611942	70904972	59624080	60641898
Aroclor-1254-2	(2)	47820782	49399019	52999540	61073956	52383280	52735315
Aroclor-1254-3	(3)	78076384	79594720	83715772	92115228	82804080	83261237
Aroclor-1254-4	(4)	45870471	47148891	49237464	53498856	47382280	48627592
Aroclor-1254-5	(5)	70292397	70911040	73701438	76415732	81847640	74633649
Decachlorobiphenyl		1101361650	1125516760	1206565780	1266510680	1278915800	1195774134
Tetrachloro-m-xylene		981660810	970989867	1008018320	1038763400	859285200	971743519
Aroclor-1268-1	(1)	151267885	153313264	156262812	163758576	154047820	155730071

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Aroclor-1268-2	(2)	137742491	139526981	142805908	148619888	139099220	141558898	3
Aroclor-1268-3	(3)	120301473	122381172	125911066	131464304	122515640	124514731	4
Aroclor-1268-4	(4)	53869021	55184383	57264704	57620508	49083040	54604331	6
Aroclor-1268-5	(5)	373667244	376833208	381941254	387550036	362884280	376575204	2
Decachlorobiphenyl		1822479100	1863575213	1915658760	2051852880	2001053000	1930923791	5
Tetrachloro-m-xylene		973469740	966812560	1002294360	1022455760	875332800	968073044	6