

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>GENV01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2743</u>
Instrument ID:	<u>BNA_F</u>	Calibration Date/Time:	<u>08/05/2025 10:00</u>
Lab File ID:	<u>BF143305.D</u>	Init. Calib. Date(s):	<u>07/17/2025 07/17/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>11:04 14:34</u>
GC Column:	<u>DB-UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.264	1.256		-0.6	
Benzaldehyde	1.193	1.264		6.0	
Phenol-d6	1.591	1.570		-1.3	
Phenol	1.733	1.814		4.7	20.0
bis(2-Chloroethyl)ether	1.327	1.337		0.8	
2-Chlorophenol	1.325	1.329		0.3	
2-Methylphenol	1.114	1.094		-1.8	
2,2-oxybis(1-Chloropropane)	2.461	2.499		1.5	
Acetophenone	0.474	0.457		-3.6	
3+4-Methylphenols	1.351	1.337		-1.0	
n-Nitroso-di-n-propylamine	1.021	0.977	0.050	-4.3	
Nitrobenzene-d5	0.401	0.409		2.0	
Hexachloroethane	0.502	0.511		1.8	
Nitrobenzene	0.374	0.383		2.4	
Isophorone	0.708	0.690		-2.5	
2-Nitrophenol	0.162	0.187		15.4	20.0
2,4-Dimethylphenol	0.331	0.324		-2.1	
bis(2-Chloroethoxy)methane	0.425	0.433		1.9	
2,4-Dichlorophenol	0.279	0.282		1.1	20.0
Naphthalene	0.985	0.982		-0.3	
4-Chloroaniline	0.402	0.392		-2.5	
Hexachlorobutadiene	0.184	0.183		-0.5	20.0
Caprolactam	0.084	0.083		-1.2	
4-Chloro-3-methylphenol	0.303	0.295		-2.6	20.0
2-Methylnaphthalene	0.599	0.594		-0.8	
Hexachlorocyclopentadiene	0.376	0.334	0.050	-11.2	
2,4,6-Trichlorophenol	0.400	0.381		-4.8	20.0
2-Fluorobiphenyl	1.462	1.437		-1.7	
2,4,5-Trichlorophenol	0.400	0.400		0.0	
1,1-Biphenyl	1.560	1.573		0.8	
2-Chloronaphthalene	1.155	1.154		-0.1	
2-Nitroaniline	0.362	0.384		6.1	
Dimethylphthalate	1.304	1.283		-1.6	
Acenaphthylene	1.935	1.903		-1.7	
2,6-Dinitrotoluene	0.265	0.279		5.3	
3-Nitroaniline	0.310	0.316		1.9	
Acenaphthene	1.144	1.158		1.2	20.0
2,4-Dinitrophenol	0.098	0.115	0.050	17.3	
4-Nitrophenol	0.232	0.335	0.050	44.4	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.698	1.665		-1.9	
2,4-Dinitrotoluene	0.333	0.353		6.0	
Diethylphthalate	1.289	1.251		-2.9	
4-Chlorophenyl-phenylether	0.635	0.635		0.0	
Fluorene	1.274	1.245		-2.3	
4-Nitroaniline	0.266	0.267		0.4	
4,6-Dinitro-2-methylphenol	0.094	0.112		19.1	
n-Nitrosodiphenylamine	0.704	0.716		1.7	20.0
2,4,6-Tribromophenol	0.207	0.201		-2.9	
4-Bromophenyl-phenylether	0.238	0.245		2.9	
Hexachlorobenzene	0.249	0.246		-1.2	
Atrazine	0.194	0.204		5.2	
Pentachlorophenol	0.147	0.128		-12.9	20.0
Phenanthrene	1.062	1.054		-0.8	
Anthracene	1.083	1.085		0.2	
Carbazole	0.946	0.944		-0.2	
Di-n-butylphthalate	1.070	1.178		10.1	
Fluoranthene	0.975	1.012		3.8	20.0
Pyrene	1.707	1.555		-8.9	
Terphenyl-d14	1.344	1.214		-9.7	
Butylbenzylphthalate	0.523	0.618		18.2	
3,3-Dichlorobenzidine	0.446	0.468		4.9	
Benzo (a) anthracene	1.339	1.306		-2.5	
Chrysene	1.204	1.231		2.2	
Bis(2-ethylhexyl)phthalate	0.791	0.877		10.9	
Di-n-octyl phthalate	1.434	1.478		3.1	20.0
Benzo (b) fluoranthene	1.222	1.160		-5.1	
Benzo (k) fluoranthene	1.090	1.056		-3.1	
Benzo (a) pyrene	1.126	1.108		-1.6	20.0
Indeno (1,2,3-cd) pyrene	1.410	1.401		-0.6	
Dibenzo (a,h) anthracene	1.148	1.123		-2.2	
Benzo (g,h,i) perylene	1.110	1.130		1.8	
1,2,4,5-Tetrachlorobenzene	0.577	0.599		3.8	
1,4-Dioxane	0.598	0.622		4.0	20.0
2,3,4,6-Tetrachlorophenol	0.331	0.312		-5.7	

All other compounds must meet a minimum RRF of 0.010.