

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>EARTH03</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2651</u>
Instrument ID:	<u>BNA_F</u>	Calibration Date/Time:	<u>07/23/2025 14:33</u>
Lab File ID:	<u>BF143210.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	1.243		-1.7	
Benzaldehyde	1.193	1.066		-10.6	
Phenol-d6	1.591	1.523		-4.3	
Phenol	1.733	1.726		-0.4	20.0
bis(2-Chloroethyl)ether	1.327	1.254		-5.5	
2-Chlorophenol	1.325	1.298		-2.0	
2-Methylphenol	1.114	1.066		-4.3	
2,2-oxybis(1-Chloropropane)	2.461	2.315		-5.9	
Acetophenone	0.474	0.460		-3.0	
3+4-Methylphenols	1.351	1.319		-2.4	
n-Nitroso-di-n-propylamine	1.021	0.929	0.050	-9.0	
Nitrobenzene-d5	0.401	0.408		1.7	
Hexachloroethane	0.502	0.518		3.2	
Nitrobenzene	0.374	0.377		0.8	
Isophorone	0.708	0.669		-5.5	
2-Nitrophenol	0.162	0.179		10.5	20.0
2,4-Dimethylphenol	0.331	0.316		-4.5	
bis(2-Chloroethoxy)methane	0.425	0.401		-5.6	
2,4-Dichlorophenol	0.279	0.275		-1.4	20.0
Naphthalene	0.985	0.978		-0.7	
4-Chloroaniline	0.402	0.385		-4.2	
Hexachlorobutadiene	0.184	0.189		2.7	20.0
Caprolactam	0.084	0.086		2.4	
4-Chloro-3-methylphenol	0.303	0.294		-3.0	20.0
2-Methylnaphthalene	0.599	0.593		-1.0	
Hexachlorocyclopentadiene	0.376	0.395	0.050	5.1	
2,4,6-Trichlorophenol	0.400	0.386		-3.5	20.0
2-Fluorobiphenyl	1.462	1.452		-0.7	
2,4,5-Trichlorophenol	0.400	0.402		0.5	
1,1-Biphenyl	1.560	1.539		-1.3	
2-Chloronaphthalene	1.155	1.124		-2.7	
2-Nitroaniline	0.362	0.373		3.0	
Dimethylphthalate	1.304	1.287		-1.3	
Acenaphthylene	1.935	1.886		-2.5	
2,6-Dinitrotoluene	0.265	0.272		2.6	
3-Nitroaniline	0.310	0.321		3.5	
Acenaphthene	1.144	1.132		-1.0	20.0
2,4-Dinitrophenol	0.098	0.121	0.050	23.5	
4-Nitrophenol	0.232	0.241	0.050	3.9	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.698	1.669		-1.7	
2,4-Dinitrotoluene	0.333	0.361		8.4	
Diethylphthalate	1.289	1.275		-1.1	
4-Chlorophenyl-phenylether	0.635	0.635		0.0	
Fluorene	1.274	1.270		-0.3	
4-Nitroaniline	0.266	0.288		8.3	
4,6-Dinitro-2-methylphenol	0.094	0.106		12.8	
n-Nitrosodiphenylamine	0.704	0.668		-5.1	20.0
2,4,6-Tribromophenol	0.207	0.202		-2.4	
4-Bromophenyl-phenylether	0.238	0.229		-3.8	
Hexachlorobenzene	0.249	0.244		-2.0	
Atrazine	0.194	0.204		5.2	
Pentachlorophenol	0.147	0.134		-8.8	20.0
Phenanthrene	1.062	1.044		-1.7	
Anthracene	1.083	1.077		-0.6	
Carbazole	0.946	0.981		3.7	
Di-n-butylphthalate	1.070	1.183		10.6	
Fluoranthene	0.975	1.087		11.5	20.0
Pyrene	1.707	1.483		-13.1	
Terphenyl-d14	1.344	1.178		-12.4	
Butylbenzylphthalate	0.523	0.616		17.8	
3,3-Dichlorobenzidine	0.446	0.430		-3.6	
Benzo (a) anthracene	1.339	1.274		-4.9	
Chrysene	1.204	1.200		-0.3	
Bis(2-ethylhexyl)phthalate	0.791	0.860		8.7	
Di-n-octyl phthalate	1.434	1.441		0.5	20.0
Benzo (b) fluoranthene	1.222	1.277		4.5	
Benzo (k) fluoranthene	1.090	0.998		-8.4	
Benzo (a) pyrene	1.126	1.108		-1.6	20.0
Indeno (1,2,3-cd) pyrene	1.410	1.357		-3.8	
Dibenzo (a,h) anthracene	1.148	1.110		-3.3	
Benzo (g,h,i) perylene	1.110	1.097		-1.2	
1,2,4,5-Tetrachlorobenzene	0.577	0.577		0.0	
1,4-Dioxane	0.598	0.584		-2.3	20.0
2,3,4,6-Tetrachlorophenol	0.331	0.297		-10.3	

All other compounds must meet a minimum RRF of 0.010.