

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>07/22/2025 08:46</u>
Lab File ID:	<u>BF143177.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 (mm)</u>

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.264	1.232		-2.5	
Benzaldehyde	1.193	3.850		222.7	
Phenol-d6	1.591	1.553		-2.4	
Phenol	1.733	1.796		3.6	20.0
bis(2-Chloroethyl)ether	1.327	1.294		-2.5	
2-Chlorophenol	1.325	1.316		-0.7	
2-Methylphenol	1.114	1.106		-0.7	
2,2-oxybis(1-Chloropropane)	2.461	2.438		-0.9	
Acetophenone	0.474	0.452		-4.6	
3+4-Methylphenols	1.351	1.380		2.1	
n-Nitroso-di-n-propylamine	1.021	0.990	0.050	-3.0	
Nitrobenzene-d5	0.401	0.400		-0.2	
Hexachloroethane	0.502	0.506		0.8	
Nitrobenzene	0.374	0.373		-0.3	
Isophorone	0.708	0.698		-1.4	
2-Nitrophenol	0.162	0.172		6.2	20.0
2,4-Dimethylphenol	0.331	0.323		-2.4	
bis(2-Chloroethoxy)methane	0.425	0.411		-3.3	
2,4-Dichlorophenol	0.279	0.274		-1.8	20.0
Naphthalene	0.985	0.952		-3.3	
4-Chloroaniline	0.402	0.395		-1.7	
Hexachlorobutadiene	0.184	0.179		-2.7	20.0
Caprolactam	0.084	0.092		9.5	
4-Chloro-3-methylphenol	0.303	0.304		0.3	20.0
2-Methylnaphthalene	0.599	0.584		-2.5	
Hexachlorocyclopentadiene	0.376	0.365	0.050	-2.9	
2,4,6-Trichlorophenol	0.400	0.387		-3.3	20.0
2-Fluorobiphenyl	1.462	1.361		-6.9	
2,4,5-Trichlorophenol	0.400	0.396		-1.0	
1,1-Biphenyl	1.560	1.485		-4.8	
2-Chloronaphthalene	1.155	1.099		-4.8	
2-Nitroaniline	0.362	0.383		5.8	
Dimethylphthalate	1.304	1.287		-1.3	
Acenaphthylene	1.935	1.864		-3.7	
2,6-Dinitrotoluene	0.265	0.284		7.2	
3-Nitroaniline	0.310	0.318		2.6	
Acenaphthene	1.144	1.105		-3.4	20.0
2,4-Dinitrophenol	0.098	0.119	0.050	21.4	
4-Nitrophenol	0.232	0.237	0.050	2.2	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.698	1.642		-3.3	
2,4-Dinitrotoluene	0.333	0.363		9.0	
Diethylphthalate	1.289	1.298		0.7	
4-Chlorophenyl-phenylether	0.635	0.619		-2.5	
Fluorene	1.274	1.229		-3.5	
4-Nitroaniline	0.266	0.279		4.9	
4,6-Dinitro-2-methylphenol	0.094	0.104		10.6	
n-Nitrosodiphenylamine	0.704	0.672		-4.5	20.0
2,4,6-Tribromophenol	0.207	0.215		3.9	
4-Bromophenyl-phenylether	0.238	0.226		-5.0	
Hexachlorobenzene	0.249	0.237		-4.8	
Atrazine	0.194	0.201		3.6	
Pentachlorophenol	0.147	0.152		3.4	20.0
Phenanthrene	1.062	1.023		-3.7	
Anthracene	1.083	1.044		-3.6	
Carbazole	0.946	0.940		-0.6	
Di-n-butylphthalate	1.070	1.127		5.3	
Fluoranthene	0.975	1.003		2.9	20.0
Pyrene	1.707	1.892		10.8	
Terphenyl-d14	1.344	1.450		7.9	
Butylbenzylphthalate	0.523	0.621		18.7	
3,3-Dichlorobenzidine	0.446	0.430		-3.6	
Benzo (a) anthracene	1.339	1.294		-3.4	
Chrysene	1.204	1.190		-1.2	
Bis(2-ethylhexyl)phthalate	0.791	0.824		4.2	
Di-n-octyl phthalate	1.434	1.363		-5.0	20.0
Benzo (b) fluoranthene	1.222	1.268		3.8	
Benzo (k) fluoranthene	1.090	0.989		-9.3	
Benzo (a) pyrene	1.126	1.116		-0.9	20.0
Indeno (1,2,3-cd) pyrene	1.410	1.410		0.0	
Dibenzo (a,h) anthracene	1.148	1.153		0.4	
Benzo (g,h,i) perylene	1.110	1.136		2.3	
1,2,4,5-Tetrachlorobenzene	0.577	0.542		-6.1	
1,4-Dioxane	0.598	0.585		-2.2	20.0
2,3,4,6-Tetrachlorophenol	0.331	0.340		2.7	

All other compounds must meet a minimum RRF of 0.010.