

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>07/21/2025 13:26</u>
Lab File ID:	<u>BF143168.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	1.271		0.6	
Benzaldehyde	1.193	1.295		8.6	
Phenol-d6	1.591	1.552		-2.5	
Phenol	1.733	1.769		2.1	20.0
bis(2-Chloroethyl)ether	1.327	1.287		-3.0	
2-Chlorophenol	1.325	1.303		-1.7	
2-Methylphenol	1.114	1.064		-4.5	
2,2-oxybis(1-Chloropropane)	2.461	2.354		-4.3	
Acetophenone	0.474	0.469		-1.1	
3+4-Methylphenols	1.351	1.320		-2.3	
n-Nitroso-di-n-propylamine	1.021	0.920	0.050	-9.9	
Nitrobenzene-d5	0.401	0.432		7.7	
Hexachloroethane	0.502	0.500		-0.4	
Nitrobenzene	0.374	0.377		0.8	
Isophorone	0.708	0.663		-6.4	
2-Nitrophenol	0.162	0.168		3.7	20.0
2,4-Dimethylphenol	0.331	0.318		-3.9	
bis(2-Chloroethoxy)methane	0.425	0.407		-4.2	
2,4-Dichlorophenol	0.279	0.274		-1.8	20.0
Naphthalene	0.985	0.964		-2.1	
4-Chloroaniline	0.402	0.385		-4.2	
Hexachlorobutadiene	0.184	0.184		0.0	20.0
Caprolactam	0.084	0.079		-6.0	
4-Chloro-3-methylphenol	0.303	0.286		-5.6	20.0
2-Methylnaphthalene	0.599	0.575		-4.0	
Hexachlorocyclopentadiene	0.376	0.384	0.050	2.1	
2,4,6-Trichlorophenol	0.400	0.390		-2.5	20.0
2-Fluorobiphenyl	1.462	1.535		5.0	
2,4,5-Trichlorophenol	0.400	0.411		2.8	
1,1-Biphenyl	1.560	1.575		1.0	
2-Chloronaphthalene	1.155	1.170		1.3	
2-Nitroaniline	0.362	0.368		1.7	
Dimethylphthalate	1.304	1.261		-3.3	
Acenaphthylene	1.935	1.922		-0.7	
2,6-Dinitrotoluene	0.265	0.266		0.4	
3-Nitroaniline	0.310	0.307		-1.0	
Acenaphthene	1.144	1.124		-1.7	20.0
2,4-Dinitrophenol	0.098	0.101	0.050	3.1	
4-Nitrophenol	0.232	0.228	0.050	-1.7	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.698	1.636		-3.7	
2,4-Dinitrotoluene	0.333	0.327		-1.8	
Diethylphthalate	1.289	1.218		-5.5	
4-Chlorophenyl-phenylether	0.635	0.608		-4.3	
Fluorene	1.274	1.200		-5.8	
4-Nitroaniline	0.266	0.266		0.0	
4,6-Dinitro-2-methylphenol	0.094	0.094		0.0	
n-Nitrosodiphenylamine	0.704	0.683		-3.0	20.0
2,4,6-Tribromophenol	0.207	0.201		-2.9	
4-Bromophenyl-phenylether	0.238	0.232		-2.5	
Hexachlorobenzene	0.249	0.241		-3.2	
Atrazine	0.194	0.196		1.0	
Pentachlorophenol	0.147	0.148		0.7	20.0
Phenanthrene	1.062	1.042		-1.9	
Anthracene	1.083	1.070		-1.2	
Carbazole	0.946	0.969		2.4	
Di-n-butylphthalate	1.070	1.124		5.0	
Fluoranthene	0.975	1.052		7.9	20.0
Pyrene	1.707	1.695		-0.7	
Terphenyl-d14	1.344	1.104		-17.9	
Butylbenzylphthalate	0.523	0.525		0.4	
3,3-Dichlorobenzidine	0.446	0.456		2.2	
Benzo (a) anthracene	1.339	1.276		-4.7	
Chrysene	1.204	1.218		1.2	
Bis(2-ethylhexyl)phthalate	0.791	0.829		4.8	
Di-n-octyl phthalate	1.434	1.479		3.1	20.0
Benzo (b) fluoranthene	1.222	1.266		3.6	
Benzo (k) fluoranthene	1.090	1.023		-6.1	
Benzo (a) pyrene	1.126	1.119		-0.6	20.0
Indeno (1,2,3-cd) pyrene	1.410	1.391		-1.3	
Dibenzo (a,h) anthracene	1.148	1.143		-0.4	
Benzo (g,h,i) perylene	1.110	1.118		0.7	
1,2,4,5-Tetrachlorobenzene	0.577	0.589		2.1	
1,4-Dioxane	0.598	0.607		1.5	20.0
2,3,4,6-Tetrachlorophenol	0.331	0.321		-3.0	

All other compounds must meet a minimum RRF of 0.010.