

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>FIRS02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2820</u>
Instrument ID:	<u>BNA_P</u>	Calibration Date/Time:	<u>08/21/2025 06:42</u>
Lab File ID:	<u>BP025528.D</u>	Init. Calib. Date(s):	<u>08/14/2025 08/14/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>12:33 17:24</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.204	1.211		0.6	
Benzaldehyde	1.082	1.331		23.0	
Phenol-d6	1.544	1.588		2.8	
Phenol	1.620	1.664		2.7	20.0
bis(2-Chloroethyl)ether	1.263	1.271		0.6	
2-Chlorophenol	1.359	1.383		1.8	
2-Methylphenol	1.125	1.159		3.0	
2,2-oxybis(1-Chloropropane)	1.692	1.822		7.7	
Acetophenone	0.502	0.505		0.6	
3+4-Methylphenols	1.560	1.594		2.2	
n-Nitroso-di-n-propylamine	1.023	1.037	0.050	1.4	
Nitrobenzene-d5	0.395	0.404		2.3	
Hexachloroethane	0.563	0.574		2.0	
Nitrobenzene	0.353	0.365		3.4	
Isophorone	0.700	0.714		2.0	
2-Nitrophenol	0.181	0.186		2.8	20.0
2,4-Dimethylphenol	0.312	0.319		2.2	
bis(2-Chloroethoxy)methane	0.423	0.421		-0.5	
2,4-Dichlorophenol	0.310	0.312		0.6	20.0
Naphthalene	1.040	1.015		-2.4	
4-Chloroaniline	0.459	0.465		1.3	
Hexachlorobutadiene	0.211	0.208		-1.4	20.0
Caprolactam	0.114	0.116		1.8	
4-Chloro-3-methylphenol	0.355	0.366		3.1	20.0
2-Methylnaphthalene	0.676	0.671		-0.7	
Hexachlorocyclopentadiene	0.349	0.350	0.050	0.3	
2,4,6-Trichlorophenol	0.390	0.410		5.1	20.0
2-Fluorobiphenyl	1.463	1.383		-5.5	
2,4,5-Trichlorophenol	0.427	0.446		4.4	
1,1-Biphenyl	1.453	1.459		0.4	
2-Chloronaphthalene	1.131	1.124		-0.6	
2-Nitroaniline	0.329	0.374		13.7	
Dimethylphthalate	1.465	1.502		2.5	
Acenaphthylene	1.871	1.868		-0.2	
2,6-Dinitrotoluene	0.309	0.330		6.8	
3-Nitroaniline	0.347	0.367		5.8	
Acenaphthene	1.098	1.075		-2.1	20.0
2,4-Dinitrophenol	0.165	0.174	0.050	5.5	
4-Nitrophenol	0.285	0.307	0.050	7.7	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.736	1.733		-0.2	
2,4-Dinitrotoluene	0.440	0.482		9.5	
Diethylphthalate	1.488	1.538		3.4	
4-Chlorophenyl-phenylether	0.681	0.648		-4.8	
Fluorene	1.370	1.312		-4.2	
4-Nitroaniline	0.356	0.363		2.0	
4,6-Dinitro-2-methylphenol	0.125	0.131		4.8	
n-Nitrosodiphenylamine	0.610	0.601		-1.5	20.0
2,4,6-Tribromophenol	0.269	0.274		1.9	
4-Bromophenyl-phenylether	0.220	0.217		-1.4	
Hexachlorobenzene	0.255	0.250		-2.0	
Atrazine	0.228	0.231		1.3	
Pentachlorophenol	0.161	0.169		5.0	20.0
Phenanthrene	1.099	1.074		-2.3	
Anthracene	1.122	1.087		-3.1	
Carbazole	1.057	1.024		-3.1	
Di-n-butylphthalate	1.300	1.302		0.2	
Fluoranthene	1.311	1.222		-6.8	20.0
Pyrene	1.300	1.517		16.7	
Terphenyl-d14	1.093	1.224		12.0	
Butylbenzylphthalate	0.589	0.681		15.6	
3,3-Dichlorobenzidine	0.497	0.463		-6.8	
Benzo (a) anthracene	1.319	1.317		-0.2	
Chrysene	1.235	1.220		-1.2	
Bis(2-ethylhexyl)phthalate	0.867	0.908		4.7	
Di-n-octyl phthalate	1.492	1.357		-9.0	20.0
Benzo (b) fluoranthene	1.179	1.178		-0.1	
Benzo (k) fluoranthene	1.180	1.160		-1.7	
Benzo (a) pyrene	1.148	1.150		0.2	20.0
Indeno (1,2,3-cd) pyrene	1.467	1.545		5.3	
Dibenzo (a,h) anthracene	1.199	1.264		5.4	
Benzo (g,h,i) perylene	1.178	1.268		7.6	
1,2,4,5-Tetrachlorobenzene	0.578	0.574		-0.7	
1,4-Dioxane	0.472	0.468		-0.8	20.0
2,3,4,6-Tetrachlorophenol	0.377	0.391		3.7	

All other compounds must meet a minimum RRF of 0.010.