

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>08/14/2025 22:56</u>
Lab File ID:	<u>BP025405.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	1.221		1.4	
Benzaldehyde	1.082	1.279		18.2	
Phenol-d6	1.544	1.575		2.0	
Phenol	1.620	1.651		1.9	20.0
bis(2-Chloroethyl)ether	1.263	1.264		0.1	
2-Chlorophenol	1.359	1.370		0.8	
2-Methylphenol	1.125	1.148		2.0	
2,2-oxybis(1-Chloropropane)	1.692	1.659		-2.0	
Acetophenone	0.502	0.513		2.2	
3+4-Methylphenols	1.560	1.590		1.9	
n-Nitroso-di-n-propylamine	1.023	1.040	0.050	1.7	
Nitrobenzene-d5	0.395	0.403		2.0	
Hexachloroethane	0.563	0.560		-0.5	
Nitrobenzene	0.353	0.363		2.8	
Isophorone	0.700	0.711		1.6	
2-Nitrophenol	0.181	0.186		2.8	20.0
2,4-Dimethylphenol	0.312	0.321		2.9	
bis(2-Chloroethoxy)methane	0.423	0.422		-0.2	
2,4-Dichlorophenol	0.310	0.322		3.9	20.0
Naphthalene	1.040	1.045		0.5	
4-Chloroaniline	0.459	0.473		3.0	
Hexachlorobutadiene	0.211	0.214		1.4	20.0
Caprolactam	0.114	0.118		3.5	
4-Chloro-3-methylphenol	0.355	0.369		3.9	20.0
2-Methylnaphthalene	0.676	0.674		-0.3	
Hexachlorocyclopentadiene	0.349	0.374	0.050	7.2	
2,4,6-Trichlorophenol	0.390	0.400		2.6	20.0
2-Fluorobiphenyl	1.463	1.470		0.5	
2,4,5-Trichlorophenol	0.427	0.443		3.7	
1,1-Biphenyl	1.453	1.450		-0.2	
2-Chloronaphthalene	1.131	1.140		0.7	
2-Nitroaniline	0.329	0.349		6.1	
Dimethylphthalate	1.465	1.497		2.2	
Acenaphthylene	1.871	1.926		2.9	
2,6-Dinitrotoluene	0.309	0.323		4.5	
3-Nitroaniline	0.347	0.364		4.9	
Acenaphthene	1.098	1.125		2.5	20.0
2,4-Dinitrophenol	0.165	0.172	0.050	4.2	
4-Nitrophenol	0.285	0.297	0.050	4.2	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.736	1.746		0.6	
2,4-Dinitrotoluene	0.440	0.467		6.1	
Diethylphthalate	1.488	1.506		1.2	
4-Chlorophenyl-phenylether	0.681	0.685		0.6	
Fluorene	1.370	1.387		1.2	
4-Nitroaniline	0.356	0.376		5.6	
4,6-Dinitro-2-methylphenol	0.125	0.127		1.6	
n-Nitrosodiphenylamine	0.610	0.607		-0.5	20.0
2,4,6-Tribromophenol	0.269	0.276		2.6	
4-Bromophenyl-phenylether	0.220	0.218		-0.9	
Hexachlorobenzene	0.255	0.254		-0.4	
Atrazine	0.228	0.232		1.8	
Pentachlorophenol	0.161	0.180		11.8	20.0
Phenanthrene	1.099	1.097		-0.2	
Anthracene	1.122	1.124		0.2	
Carbazole	1.057	1.074		1.6	
Di-n-butylphthalate	1.300	1.303		0.2	
Fluoranthene	1.311	1.320		0.7	20.0
Pyrene	1.300	1.275		-1.9	
Terphenyl-d14	1.093	1.068		-2.3	
Butylbenzylphthalate	0.589	0.588		-0.2	
3,3-Dichlorobenzidine	0.497	0.510		2.6	
Benzo (a) anthracene	1.319	1.331		0.9	
Chrysene	1.235	1.253		1.5	
Bis(2-ethylhexyl)phthalate	0.867	0.857		-1.2	
Di-n-octyl phthalate	1.492	1.484		-0.5	20.0
Benzo (b) fluoranthene	1.179	1.199		1.7	
Benzo (k) fluoranthene	1.180	1.177		-0.3	
Benzo (a) pyrene	1.148	1.151		0.3	20.0
Indeno (1,2,3-cd) pyrene	1.467	1.475		0.5	
Dibenzo (a,h) anthracene	1.199	1.208		0.8	
Benzo (g,h,i) perylene	1.178	1.184		0.5	
1,2,4,5-Tetrachlorobenzene	0.578	0.583		0.9	
1,4-Dioxane	0.472	0.477		1.1	20.0
2,3,4,6-Tetrachlorophenol	0.377	0.395		4.8	

All other compounds must meet a minimum RRF of 0.010.