

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>08/19/2025 10:44</u>
Lab File ID:	<u>BP025470.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	1.229		2.1	
Benzaldehyde	1.082	1.245		15.1	
Phenol-d6	1.544	1.586		2.7	
Phenol	1.620	1.652		2.0	20.0
bis(2-Chloroethyl)ether	1.263	1.272		0.7	
2-Chlorophenol	1.359	1.372		1.0	
2-Methylphenol	1.125	1.138		1.2	
2,2-oxybis(1-Chloropropane)	1.692	1.725		2.0	
Acetophenone	0.502	0.503		0.2	
3+4-Methylphenols	1.560	1.563		0.2	
n-Nitroso-di-n-propylamine	1.023	1.012	0.050	-1.1	
Nitrobenzene-d5	0.395	0.403		2.0	
Hexachloroethane	0.563	0.574		2.0	
Nitrobenzene	0.353	0.357		1.1	
Isophorone	0.700	0.713		1.9	
2-Nitrophenol	0.181	0.186		2.8	20.0
2,4-Dimethylphenol	0.312	0.320		2.6	
bis(2-Chloroethoxy)methane	0.423	0.424		0.2	
2,4-Dichlorophenol	0.310	0.314		1.3	20.0
Naphthalene	1.040	1.035		-0.5	
4-Chloroaniline	0.459	0.464		1.1	
Hexachlorobutadiene	0.211	0.208		-1.4	20.0
Caprolactam	0.114	0.118		3.5	
4-Chloro-3-methylphenol	0.355	0.364		2.5	20.0
2-Methylnaphthalene	0.676	0.673		-0.4	
Hexachlorocyclopentadiene	0.349	0.454	0.050	30.1	
2,4,6-Trichlorophenol	0.390	0.400		2.6	20.0
2-Fluorobiphenyl	1.463	1.448		-1.0	
2,4,5-Trichlorophenol	0.427	0.434		1.6	
1,1-Biphenyl	1.453	1.453		0.0	
2-Chloronaphthalene	1.131	1.118		-1.1	
2-Nitroaniline	0.329	0.351		6.7	
Dimethylphthalate	1.465	1.480		1.0	
Acenaphthylene	1.871	1.886		0.8	
2,6-Dinitrotoluene	0.309	0.320		3.6	
3-Nitroaniline	0.347	0.361		4.0	
Acenaphthene	1.098	1.094		-0.4	20.0
2,4-Dinitrophenol	0.165	0.576	0.050	249.1	
4-Nitrophenol	0.285	0.292	0.050	2.5	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.736	1.727		-0.5	
2,4-Dinitrotoluene	0.440	0.468		6.4	
Diethylphthalate	1.488	1.487		-0.1	
4-Chlorophenyl-phenylether	0.681	0.674		-1.0	
Fluorene	1.370	1.359		-0.8	
4-Nitroaniline	0.356	0.372		4.5	
4,6-Dinitro-2-methylphenol	0.125	0.255		104.0	
n-Nitrosodiphenylamine	0.610	0.608		-0.3	20.0
2,4,6-Tribromophenol	0.269	0.273		1.5	
4-Bromophenyl-phenylether	0.220	0.217		-1.4	
Hexachlorobenzene	0.255	0.257		0.8	
Atrazine	0.228	0.230		0.9	
Pentachlorophenol	0.161	0.159		-1.2	20.0
Phenanthrene	1.099	1.095		-0.4	
Anthracene	1.122	1.122		0.0	
Carbazole	1.057	1.050		-0.7	
Di-n-butylphthalate	1.300	1.345		3.5	
Fluoranthene	1.311	1.291		-1.5	20.0
Pyrene	1.300	1.342		3.2	
Terphenyl-d14	1.093	1.093		0.0	
Butylbenzylphthalate	0.589	0.616		4.6	
3,3-Dichlorobenzidine	0.497	0.500		0.6	
Benzo (a) anthracene	1.319	1.307		-0.9	
Chrysene	1.235	1.256		1.7	
Bis(2-ethylhexyl)phthalate	0.867	0.907		4.6	
Di-n-octyl phthalate	1.492	1.558		4.4	20.0
Benzo (b) fluoranthene	1.179	1.193		1.2	
Benzo (k) fluoranthene	1.180	1.153		-2.3	
Benzo (a) pyrene	1.148	1.136		-1.0	20.0
Indeno (1,2,3-cd) pyrene	1.467	1.450		-1.2	
Dibenzo (a,h) anthracene	1.199	1.189		-0.8	
Benzo (g,h,i) perylene	1.178	1.151		-2.3	
1,2,4,5-Tetrachlorobenzene	0.578	0.569		-1.6	
1,4-Dioxane	0.472	0.475		0.6	20.0
2,3,4,6-Tetrachlorophenol	0.377	0.376		-0.3	

All other compounds must meet a minimum RRF of 0.010.