

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>FIRS02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2814</u>
Instrument ID:	<u>BNA_F</u>	Calibration Date/Time:	<u>08/14/2025 12:55</u>
Lab File ID:	<u>BF143377.D</u>	Init. Calib. Date(s):	<u>08/12/2025 08/12/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>09:03 12:38</u>
GC Column:	<u>DB-UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.157	1.082		-6.5	
Benzaldehyde	0.980	0.816		-16.7	
Phenol-d6	1.483	1.334		-10.0	
Phenol	1.757	1.596		-9.2	20.0
bis(2-Chloroethyl)ether	1.295	1.166		-10.0	
2-Chlorophenol	1.236	1.180		-4.5	
2-Methylphenol	1.043	0.949		-9.0	
2,2-oxybis(1-Chloropropane)	2.312	2.091		-9.6	
Acetophenone	0.441	0.392		-11.1	
3+4-Methylphenols	1.262	1.160		-8.1	
n-Nitroso-di-n-propylamine	0.916	0.800	0.050	-12.7	
Nitrobenzene-d5	0.321	0.317		-1.2	
Hexachloroethane	0.449	0.440		-2.0	
Nitrobenzene	0.349	0.332		-4.9	
Isophorone	0.656	0.580		-11.6	
2-Nitrophenol	0.118	0.153		29.7	20.0
2,4-Dimethylphenol	0.274	0.261		-4.7	
bis(2-Chloroethoxy)methane	0.400	0.364		-9.0	
2,4-Dichlorophenol	0.267	0.259		-3.0	20.0
Naphthalene	0.962	0.877		-8.8	
4-Chloroaniline	0.347	0.315		-9.2	
Hexachlorobutadiene	0.175	0.167		-4.6	20.0
Caprolactam	0.075	0.070		-6.7	
4-Chloro-3-methylphenol	0.280	0.260		-7.1	20.0
2-Methylnaphthalene	0.633	0.574		-9.3	
Hexachlorocyclopentadiene	0.158	0.217	0.050	37.3	
2,4,6-Trichlorophenol	0.311	0.317		1.9	20.0
2-Fluorobiphenyl	1.179	1.078		-8.6	
2,4,5-Trichlorophenol	0.351	0.345		-1.7	
1,1-Biphenyl	1.414	1.284		-9.2	
2-Chloronaphthalene	1.114	1.016		-8.8	
2-Nitroaniline	0.284	0.307		8.1	
Dimethylphthalate	1.169	1.069		-8.6	
Acenaphthylene	1.608	1.452		-9.7	
2,6-Dinitrotoluene	0.193	0.216		11.9	
3-Nitroaniline	0.239	0.244		2.1	
Acenaphthene	1.069	0.959		-10.3	20.0
2,4-Dinitrophenol	0.065	0.067	0.050	3.1	
4-Nitrophenol	0.163	0.141	0.050	-13.5	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.539	1.389		-9.7	
2,4-Dinitrotoluene	0.256	0.288		12.5	
Diethylphthalate	1.047	0.969		-7.4	
4-Chlorophenyl-phenylether	0.568	0.517		-9.0	
Fluorene	1.175	1.047		-10.9	
4-Nitroaniline	0.232	0.219		-5.6	
4,6-Dinitro-2-methylphenol	0.069	0.086		24.6	
n-Nitrosodiphenylamine	0.659	0.616		-6.5	20.0
2,4,6-Tribromophenol	0.146	0.152		4.1	
4-Bromophenyl-phenylether	0.229	0.220		-3.9	
Hexachlorobenzene	0.247	0.231		-6.5	
Atrazine	0.172	0.167		-2.9	
Pentachlorophenol	0.101	0.093		-7.9	20.0
Phenanthrene	1.091	0.999		-8.4	
Anthracene	1.107	1.018		-8.0	
Carbazole	0.942	0.831		-11.8	
Di-n-butylphthalate	0.798	0.837		4.9	
Fluoranthene	0.956	0.859		-10.1	20.0
Pyrene	1.678	1.471		-12.3	
Terphenyl-d14	1.120	1.027		-8.3	
Butylbenzylphthalate	0.284	0.414		45.8	
3,3-Dichlorobenzidine	0.343	0.346		0.9	
Benzo (a) anthracene	1.271	1.203		-5.3	
Chrysene	1.185	1.039		-12.3	
Bis(2-ethylhexyl)phthalate	0.403	0.614		52.4	
Di-n-octyl phthalate	0.860	1.154		34.2	20.0
Benzo (b) fluoranthene	1.094	1.010		-7.7	
Benzo (k) fluoranthene	1.063	0.930		-12.5	
Benzo (a) pyrene	1.030	0.950		-7.8	20.0
Indeno (1,2,3-cd) pyrene	1.433	1.416		-1.2	
Dibenzo (a,h) anthracene	1.145	1.135		-0.9	
Benzo (g,h,i) perylene	1.153	1.143		-0.9	
1,2,4,5-Tetrachlorobenzene	0.547	0.518		-5.3	
1,4-Dioxane	0.598	0.534		-10.7	20.0
2,3,4,6-Tetrachlorophenol	0.236	0.250		5.9	

All other compounds must meet a minimum RRF of 0.010.