

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_F</u>	Calibration Date/Time:	<u>08/13/2025 10:00</u>
Lab File ID:	<u>BF143365.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	1.077		-6.9	
Benzaldehyde	0.980	0.870		-11.2	
Phenol-d6	1.483	1.334		-10.0	
Phenol	1.757	1.609		-8.4	20.0
bis(2-Chloroethyl)ether	1.295	1.200		-7.3	
2-Chlorophenol	1.236	1.195		-3.3	
2-Methylphenol	1.043	0.939		-10.0	
2,2-oxybis(1-Chloropropane)	2.312	2.149		-7.1	
Acetophenone	0.441	0.396		-10.2	
3+4-Methylphenols	1.262	1.144		-9.4	
n-Nitroso-di-n-propylamine	0.916	0.821	0.050	-10.4	
Nitrobenzene-d5	0.321	0.325		1.2	
Hexachloroethane	0.449	0.453		0.9	
Nitrobenzene	0.349	0.338		-3.2	
Isophorone	0.656	0.596		-9.1	
2-Nitrophenol	0.118	0.159		34.7	20.0
2,4-Dimethylphenol	0.274	0.264		-3.7	
bis(2-Chloroethoxy)methane	0.400	0.377		-5.8	
2,4-Dichlorophenol	0.267	0.259		-3.0	20.0
Naphthalene	0.962	0.881		-8.4	
4-Chloroaniline	0.347	0.317		-8.6	
Hexachlorobutadiene	0.175	0.172		-1.7	20.0
Caprolactam	0.075	0.067		-10.7	
4-Chloro-3-methylphenol	0.280	0.261		-6.8	20.0
2-Methylnaphthalene	0.633	0.580		-8.4	
Hexachlorocyclopentadiene	0.158	0.203	0.050	28.5	
2,4,6-Trichlorophenol	0.311	0.302		-2.9	20.0
2-Fluorobiphenyl	1.179	1.063		-9.8	
2,4,5-Trichlorophenol	0.351	0.334		-4.8	
1,1-Biphenyl	1.414	1.295		-8.4	
2-Chloronaphthalene	1.114	1.020		-8.4	
2-Nitroaniline	0.284	0.317		11.6	
Dimethylphthalate	1.169	1.088		-6.9	
Acenaphthylene	1.608	1.448		-9.9	
2,6-Dinitrotoluene	0.193	0.227		17.6	
3-Nitroaniline	0.239	0.251		5.0	
Acenaphthene	1.069	0.988		-7.6	20.0
2,4-Dinitrophenol	0.065	0.087	0.050	33.8	
4-Nitrophenol	0.163	0.169	0.050	3.7	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.539	1.391		-9.6	
2,4-Dinitrotoluene	0.256	0.301		17.6	
Diethylphthalate	1.047	0.995		-5.0	
4-Chlorophenyl-phenylether	0.568	0.526		-7.4	
Fluorene	1.175	1.049		-10.7	
4-Nitroaniline	0.232	0.220		-5.2	
4,6-Dinitro-2-methylphenol	0.069	0.092		33.3	
n-Nitrosodiphenylamine	0.659	0.614		-6.8	20.0
2,4,6-Tribromophenol	0.146	0.155		6.2	
4-Bromophenyl-phenylether	0.229	0.225		-1.7	
Hexachlorobenzene	0.247	0.235		-4.9	
Atrazine	0.172	0.162		-5.8	
Pentachlorophenol	0.101	0.184		82.2	20.0
Phenanthrene	1.091	0.981		-10.1	
Anthracene	1.107	1.018		-8.0	
Carbazole	0.942	0.812		-13.8	
Di-n-butylphthalate	0.798	0.842		5.5	
Fluoranthene	0.956	0.844		-11.7	20.0
Pyrene	1.678	1.460		-13.0	
Terphenyl-d14	1.120	1.033		-7.8	
Butylbenzylphthalate	0.284	0.450		58.5	
3,3-Dichlorobenzidine	0.343	0.378		10.2	
Benzo (a) anthracene	1.271	1.152		-9.4	
Chrysene	1.185	1.104		-6.8	
Bis(2-ethylhexyl)phthalate	0.403	0.722		79.2	
Di-n-octyl phthalate	0.860	1.370		59.3	20.0
Benzo (b) fluoranthene	1.094	1.067		-2.5	
Benzo (k) fluoranthene	1.063	0.958		-9.9	
Benzo (a) pyrene	1.030	0.955		-7.3	20.0
Indeno (1,2,3-cd) pyrene	1.433	1.348		-5.9	
Dibenzo (a,h) anthracene	1.145	1.104		-3.6	
Benzo (g,h,i) perylene	1.153	1.041		-9.7	
1,2,4,5-Tetrachlorobenzene	0.547	0.517		-5.5	
1,4-Dioxane	0.598	0.537		-10.2	20.0
2,3,4,6-Tetrachlorophenol	0.236	0.251		6.4	

All other compounds must meet a minimum RRF of 0.010.