

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>ROYF02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3321</u>
Instrument ID:	<u>BNA_F</u>	Calibration Date/Time:	<u>10/14/2025 13:57</u>
Lab File ID:	<u>BF143946.D</u>	Init. Calib. Date(s):	<u>10/06/2025 10/06/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>09:59 14:22</u>
GC Column:	<u>DB-UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.259	1.310		4.1	
Benzaldehyde	1.158	1.233		6.5	
Phenol-d6	1.501	1.541		2.7	
Phenol	1.795	1.891		5.3	20.0
bis(2-Chloroethyl)ether	1.386	1.423		2.7	
2-Chlorophenol	1.231	1.302		5.8	
2-Methylphenol	1.017	1.014		-0.3	
2,2-oxybis(1-Chloropropane)	3.156	3.174		0.6	
Acetophenone	0.423	0.402		-5.0	
3+4-Methylphenols	1.179	1.146		-2.8	
n-Nitroso-di-n-propylamine	1.028	0.867	0.050	-15.7	
Nitrobenzene-d5	0.329	0.353		7.3	
Hexachloroethane	0.485	0.504		3.9	
Nitrobenzene	0.366	0.387		5.7	
Isophorone	0.694	0.639		-7.9	
2-Nitrophenol	0.157	0.180		14.6	20.0
2,4-Dimethylphenol	0.282	0.276		-2.1	
bis(2-Chloroethoxy)methane	0.438	0.412		-5.9	
2,4-Dichlorophenol	0.294	0.291		-1.0	20.0
Naphthalene	0.910	0.905		-0.5	
4-Chloroaniline	0.341	0.323		-5.3	
Hexachlorobutadiene	0.201	0.202		0.5	20.0
Caprolactam	0.093	0.086		-7.5	
4-Chloro-3-methylphenol	0.282	0.267		-5.3	20.0
2-Methylnaphthalene	0.606	0.560		-7.6	
Hexachlorocyclopentadiene	0.229	0.197	0.050	-14.0	
2,4,6-Trichlorophenol	0.404	0.405		0.2	20.0
2-Fluorobiphenyl	1.260	1.191		-5.5	
2,4,5-Trichlorophenol	0.427	0.443		3.7	
1,1-Biphenyl	1.324	1.345		1.6	
2-Chloronaphthalene	1.104	1.133		2.6	
2-Nitroaniline	0.349	0.395		13.2	
Dimethylphthalate	1.270	1.296		2.0	
Acenaphthylene	1.552	1.575		1.5	
2,6-Dinitrotoluene	0.236	0.266		12.7	
3-Nitroaniline	0.288	0.309		7.3	
Acenaphthene	1.017	1.027		1.0	20.0
2,4-Dinitrophenol	0.118	0.124	0.050	5.1	
4-Nitrophenol	0.218	0.224	0.050	2.8	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.436	1.446		0.7	
2,4-Dinitrotoluene	0.320	0.368		15.0	
Diethylphthalate	1.180	1.193		1.1	
4-Chlorophenyl-phenylether	0.573	0.590		3.0	
Fluorene	1.083	1.080		-0.3	
4-Nitroaniline	0.277	0.289		4.3	
4,6-Dinitro-2-methylphenol	0.101	0.116		14.9	
n-Nitrosodiphenylamine	0.628	0.637		1.4	20.0
2,4,6-Tribromophenol	0.199	0.199		0.0	
4-Bromophenyl-phenylether	0.221	0.224		1.4	
Hexachlorobenzene	0.256	0.255		-0.4	
Atrazine	0.190	0.188		-1.1	
Pentachlorophenol	0.147	0.137		-6.8	20.0
Phenanthrene	0.970	0.972		0.2	
Anthracene	0.980	0.988		0.8	
Carbazole	0.868	0.872		0.5	
Di-n-butylphthalate	1.005	1.066		6.1	
Fluoranthene	1.002	0.990		-1.2	20.0
Pyrene	1.667	1.875		12.5	
Terphenyl-d14	1.170	1.334		14.0	
Butylbenzylphthalate	0.542	0.648		19.6	
3,3-Dichlorobenzidine	0.399	0.389		-2.5	
Benzo (a) anthracene	1.309	1.436		9.7	
Chrysene	1.211	1.243		2.6	
Bis(2-ethylhexyl)phthalate	0.653	0.758		16.1	
Di-n-octyl phthalate	1.072	1.165		8.7	20.0
Benzo (b) fluoranthene	1.149	1.180		2.7	
Benzo (k) fluoranthene	1.063	1.025		-3.6	
Benzo (a) pyrene	0.996	1.040		4.4	20.0
Indeno (1,2,3-cd) pyrene	1.225	1.462		19.3	
Dibenzo (a,h) anthracene	0.986	1.156		17.2	
Benzo (g,h,i) perylene	0.986	1.164		18.1	
1,2,4,5-Tetrachlorobenzene	0.553	0.594		7.4	
1,4-Dioxane	0.583	0.641		9.9	20.0
2,3,4,6-Tetrachlorophenol	0.302	0.313		3.6	

All other compounds must meet a minimum RRF of 0.010.