

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>ROYF02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3447</u>
Instrument ID:	<u>BNA_G</u>	Calibration Date/Time:	<u>10/27/2025 11:57</u>
Lab File ID:	<u>BG064583.D</u>	Init. Calib. Date(s):	<u>10/24/2025 10/24/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>09:00 15:32</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.192	1.450		21.6	
Benzaldehyde	0.893	1.717		92.3	
Phenol-d6	1.635	2.044		25.0	
Phenol	1.808	2.253		24.6	20.0
bis(2-Chloroethyl) ether	1.329	1.620		21.9	
2-Chlorophenol	1.247	1.578		26.5	
2-Methylphenol	1.201	1.301		8.3	
2,2-oxybis(1-Chloropropane)	3.487	3.810		9.3	
Acetophenone	0.547	0.561		2.6	
3+4-Methylphenols	1.688	1.798		6.5	
n-Nitroso-di-n-propylamine	1.130	1.299	0.050	15.0	
Nitrobenzene-d5	0.333	0.335		0.6	
Hexachloroethane	0.512	0.530		3.5	
Nitrobenzene	0.362	0.371		2.5	
Isophorone	0.799	0.838		4.9	
2-Nitrophenol	0.121	0.114		-5.8	20.0
2,4-Dimethylphenol	0.297	0.316		6.4	
bis(2-Chloroethoxy) methane	0.455	0.477		4.8	
2,4-Dichlorophenol	0.320	0.336		5.0	20.0
Naphthalene	1.109	1.134		2.3	
4-Chloroaniline	0.431	0.451		4.6	
Hexachlorobutadiene	0.284	0.289		1.8	20.0
Caprolactam	0.123	0.118		-4.1	
4-Chloro-3-methylphenol	0.384	0.401		4.4	20.0
2-Methylnaphthalene	0.814	0.842		3.4	
Hexachlorocyclopentadiene	0.302	0.278	0.050	-7.9	
2,4,6-Trichlorophenol	0.384	0.396		3.1	20.0
2-Fluorobiphenyl	1.319	1.332		1.0	
2,4,5-Trichlorophenol	0.443	0.454		2.5	
1,1-Biphenyl	1.422	1.458		2.5	
2-Chloronaphthalene	1.073	1.098		2.3	
2-Nitroaniline	0.311	0.299		-3.9	
Dimethylphthalate	1.530	1.534		0.3	
Acenaphthylene	1.693	1.726		1.9	
2,6-Dinitrotoluene	0.218	0.217		-0.5	
3-Nitroaniline	0.263	0.266		1.1	
Acenaphthene	1.157	1.176		1.6	20.0
2,4-Dinitrophenol	0.132	0.132	0.050	0.0	
4-Nitrophenol	0.244	0.236	0.050	-3.3	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.870	1.902		1.7	
2,4-Dinitrotoluene	0.340	0.332		-2.4	
Diethylphthalate	1.563	1.538		-1.6	
4-Chlorophenyl-phenylether	0.820	0.816		-0.5	
Fluorene	1.460	1.460		0.0	
4-Nitroaniline	0.293	0.301		2.7	
4,6-Dinitro-2-methylphenol	0.079	0.080		1.3	
n-Nitrosodiphenylamine	0.540	0.565		4.6	20.0
2,4,6-Tribromophenol	0.289	0.288		-0.3	
4-Bromophenyl-phenylether	0.237	0.247		4.2	
Hexachlorobenzene	0.270	0.278		3.0	
Atrazine	0.232	0.221		-4.7	
Pentachlorophenol	0.169	0.169		0.0	20.0
Phenanthrene	1.094	1.114		1.8	
Anthracene	1.113	1.141		2.5	
Carbazole	0.981	0.995		1.4	
Di-n-butylphthalate	1.135	1.104		-2.7	
Fluoranthene	1.370	1.371		0.1	20.0
Pyrene	1.307	1.325		1.4	
Terphenyl-d14	1.060	1.070		0.8	
Butylbenzylphthalate	0.395	0.419		6.1	
3,3-Dichlorobenzidine	0.443	0.452		2.0	
Benzo (a) anthracene	1.326	1.373		3.5	
Chrysene	1.262	1.294		2.5	
Bis(2-ethylhexyl)phthalate	0.590	0.622		5.4	
Di-n-octyl phthalate	0.995	1.040		4.5	20.0
Benzo (b) fluoranthene	1.226	1.264		3.1	
Benzo (k) fluoranthene	1.227	1.298		5.8	
Benzo (a) pyrene	1.127	1.172		4.0	20.0
Indeno (1,2,3-cd) pyrene	1.471	1.523		3.5	
Dibenzo (a,h) anthracene	1.195	1.242		3.9	
Benzo (g,h,i) perylene	1.142	1.171		2.5	
1,2,4,5-Tetrachlorobenzene	0.671	0.671		0.0	
1,4-Dioxane	0.528	0.633		19.9	20.0
2,3,4,6-Tetrachlorophenol	0.424	0.435		2.6	

All other compounds must meet a minimum RRF of 0.010.