

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>ZUCC01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3032</u>
Instrument ID:	<u>BNA_G</u>	Calibration Date/Time:	<u>09/08/2025 10:26</u>
Lab File ID:	<u>BG064301.D</u>	Init. Calib. Date(s):	<u>08/28/2025 08/28/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>10:51 16:16</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.115	1.121		0.5	
Benzaldehyde	1.260	1.141		-9.4	
Phenol-d6	1.532	1.574		2.7	
Phenol	1.689	1.734		2.7	20.0
bis(2-Chloroethyl)ether	1.269	1.209		-4.7	
2-Chlorophenol	1.362	1.358		-0.3	
2-Methylphenol	1.258	1.193		-5.2	
2,2-oxybis(1-Chloropropane)	2.897	2.304		-20.5	
Acetophenone	0.506	0.528		4.3	
3+4-Methylphenols	1.749	1.670		-4.5	
n-Nitroso-di-n-propylamine	1.172	1.110	0.050	-5.3	
Nitrobenzene-d5	0.359	0.398		10.9	
Hexachloroethane	0.571	0.574		0.5	
Nitrobenzene	0.375	0.399		6.4	
Isophorone	0.745	0.743		-0.3	
2-Nitrophenol	0.162	0.180		11.1	20.0
2,4-Dimethylphenol	0.284	0.307		8.1	
bis(2-Chloroethoxy)methane	0.402	0.400		-0.5	
2,4-Dichlorophenol	0.300	0.336		12.0	20.0
Naphthalene	1.037	1.084		4.5	
4-Chloroaniline	0.402	0.420		4.5	
Hexachlorobutadiene	0.234	0.282		20.5	20.0
Caprolactam	0.116	0.121		4.3	
4-Chloro-3-methylphenol	0.389	0.416		6.9	20.0
2-Methylnaphthalene	0.771	0.815		5.7	
Hexachlorocyclopentadiene	0.274	0.352	0.050	28.5	
2,4,6-Trichlorophenol	0.386	0.429		11.1	20.0
2-Fluorobiphenyl	1.310	1.393		6.3	
2,4,5-Trichlorophenol	0.418	0.474		13.4	
1,1-Biphenyl	1.457	1.533		5.2	
2-Chloronaphthalene	1.095	1.150		5.0	
2-Nitroaniline	0.373	0.422		13.1	
Dimethylphthalate	1.514	1.585		4.7	
Acenaphthylene	1.619	1.705		5.3	
2,6-Dinitrotoluene	0.293	0.342		16.7	
3-Nitroaniline	0.307	0.326		6.2	
Acenaphthene	1.142	1.218		6.7	20.0
2,4-Dinitrophenol	0.163	0.210	0.050	28.8	
4-Nitrophenol	0.252	0.277	0.050	9.9	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.797	1.896		5.5	
2,4-Dinitrotoluene	0.443	0.505		14.0	
Diethylphthalate	1.620	1.752		8.1	
4-Chlorophenyl-phenylether	0.734	0.826		12.5	
Fluorene	1.473	1.594		8.2	
4-Nitroaniline	0.313	0.370		18.2	
4,6-Dinitro-2-methylphenol	0.115	0.143		24.3	
n-Nitrosodiphenylamine	0.550	0.579		5.3	20.0
2,4,6-Tribromophenol	0.265	0.331		24.9	
4-Bromophenyl-phenylether	0.212	0.241		13.7	
Hexachlorobenzene	0.236	0.267		13.1	
Atrazine	0.230	0.258		12.2	
Pentachlorophenol	0.143	0.170		18.9	20.0
Phenanthrene	1.055	1.116		5.8	
Anthracene	1.073	1.126		4.9	
Carbazole	0.945	1.008		6.7	
Di-n-butylphthalate	1.136	1.234		8.6	
Fluoranthene	1.240	1.368		10.3	20.0
Pyrene	1.260	1.321		4.8	
Terphenyl-d14	0.959	1.040		8.4	
Butylbenzylphthalate	0.475	0.505		6.3	
3,3-Dichlorobenzidine	0.417	0.448		7.4	
Benzo (a) anthracene	1.280	1.333		4.1	
Chrysene	1.228	1.274		3.7	
Bis(2-ethylhexyl)phthalate	0.714	0.738		3.4	
Di-n-octyl phthalate	1.243	1.278		2.8	20.0
Benzo (b) fluoranthene	1.129	1.240		9.8	
Benzo (k) fluoranthene	1.150	1.207		5.0	
Benzo (a) pyrene	1.050	1.124		7.0	20.0
Indeno (1,2,3-cd) pyrene	1.366	1.477		8.1	
Dibenzo (a,h) anthracene	1.097	1.190		8.5	
Benzo (g,h,i) perylene	1.067	1.149		7.7	
1,2,4,5-Tetrachlorobenzene	0.577	0.657		13.9	
1,4-Dioxane	0.465	0.468		0.6	20.0
2,3,4,6-Tetrachlorophenol	0.402	0.471		17.2	

All other compounds must meet a minimum RRF of 0.010.