

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>ICES02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3399</u>
Instrument ID:	<u>BNA_G</u>	Calibration Date/Time:	<u>11/03/2025 14:35</u>
Lab File ID:	<u>BG064672.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	1.179		-1.1	
Benzaldehyde	0.893	0.823		-7.8	
Phenol-d6	1.635	1.619		-1.0	
Phenol	1.808	1.736		-4.0	20.0
bis(2-Chloroethyl)ether	1.329	1.260		-5.2	
2-Chlorophenol	1.247	1.336		7.1	
2-Methylphenol	1.201	1.202		0.1	
2,2-oxybis(1-Chloropropane)	3.487	3.429		-1.7	
Acetophenone	0.547	0.551		0.7	
3+4-Methylphenols	1.688	1.601		-5.2	
n-Nitroso-di-n-propylamine	1.130	1.137	0.050	0.6	
Nitrobenzene-d5	0.333	0.403		21.0	
Hexachloroethane	0.512	0.537		4.9	
Nitrobenzene	0.362	0.421		16.3	
Isophorone	0.799	0.796		-0.4	
2-Nitrophenol	0.121	0.170		40.5	20.0
2,4-Dimethylphenol	0.297	0.307		3.4	
bis(2-Chloroethoxy)methane	0.455	0.446		-2.0	
2,4-Dichlorophenol	0.320	0.345		7.8	20.0
Naphthalene	1.109	1.156		4.2	
4-Chloroaniline	0.431	0.428		-0.7	
Hexachlorobutadiene	0.284	0.314		10.6	20.0
Caprolactam	0.123	0.112		-8.9	
4-Chloro-3-methylphenol	0.384	0.406		5.7	20.0
2-Methylnaphthalene	0.814	0.866		6.4	
Hexachlorocyclopentadiene	0.302	0.364	0.050	20.5	
2,4,6-Trichlorophenol	0.384	0.447		16.4	20.0
2-Fluorobiphenyl	1.319	1.400		6.1	
2,4,5-Trichlorophenol	0.443	0.492		11.1	
1,1-Biphenyl	1.422	1.477		3.9	
2-Chloronaphthalene	1.073	1.143		6.5	
2-Nitroaniline	0.311	0.391		25.7	
Dimethylphthalate	1.530	1.584		3.5	
Acenaphthylene	1.693	1.776		4.9	
2,6-Dinitrotoluene	0.218	0.279		28.0	
3-Nitroaniline	0.263	0.317		20.5	
Acenaphthene	1.157	1.235		6.7	20.0
2,4-Dinitrophenol	0.132	0.171	0.050	29.5	
4-Nitrophenol	0.244	0.243	0.050	-0.4	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.870	1.929		3.2	
2,4-Dinitrotoluene	0.340	0.451		32.6	
Diethylphthalate	1.563	1.594		2.0	
4-Chlorophenyl-phenylether	0.820	0.875		6.7	
Fluorene	1.460	1.503		2.9	
4-Nitroaniline	0.293	0.341		16.4	
4,6-Dinitro-2-methylphenol	0.079	0.112		41.8	
n-Nitrosodiphenylamine	0.540	0.566		4.8	20.0
2,4,6-Tribromophenol	0.289	0.342		18.3	
4-Bromophenyl-phenylether	0.237	0.258		8.9	
Hexachlorobenzene	0.270	0.299		10.7	
Atrazine	0.232	0.242		4.3	
Pentachlorophenol	0.169	0.195		15.4	20.0
Phenanthrene	1.094	1.153		5.4	
Anthracene	1.113	1.163		4.5	
Carbazole	0.981	1.031		5.1	
Di-n-butylphthalate	1.135	1.221		7.6	
Fluoranthene	1.370	1.482		8.2	20.0
Pyrene	1.307	1.325		1.4	
Terphenyl-d14	1.060	1.116		5.3	
Butylbenzylphthalate	0.395	0.457		15.7	
3,3-Dichlorobenzidine	0.443	0.488		10.2	
Benzo (a) anthracene	1.326	1.414		6.6	
Chrysene	1.262	1.320		4.6	
Bis(2-ethylhexyl)phthalate	0.590	0.658		11.5	
Di-n-octyl phthalate	0.995	1.119		12.5	20.0
Benzo (b) fluoranthene	1.226	1.306		6.5	
Benzo (k) fluoranthene	1.227	1.268		3.3	
Benzo (a) pyrene	1.127	1.180		4.7	20.0
Indeno (1,2,3-cd) pyrene	1.471	1.544		5.0	
Dibenzo (a,h) anthracene	1.195	1.258		5.3	
Benzo (g,h,i) perylene	1.142	1.186		3.9	
1,2,4,5-Tetrachlorobenzene	0.671	0.718		7.0	
1,4-Dioxane	0.528	0.465		-11.9	20.0
2,3,4,6-Tetrachlorophenol	0.424	0.498		17.5	

All other compounds must meet a minimum RRF of 0.010.