

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>HDRI08</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3649</u>
Instrument ID:	<u>BNA_G</u>	Calibration Date/Time:	<u>11/17/2025 13:23</u>
Lab File ID:	<u>BG064784.D</u>	Init. Calib. Date(s):	<u>11/12/2025 11/12/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>11:17 16:04</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.145	1.171		2.3	
Benzaldehyde	0.997	0.958		-3.9	
Phenol-d6	1.523	1.626		6.8	
Phenol	1.657	1.757		6.0	20.0
bis(2-Chloroethyl)ether	1.179	1.221		3.6	
2-Chlorophenol	1.258	1.329		5.6	
2-Methylphenol	1.173	1.235		5.3	
2,2-oxybis(1-Chloropropane)	2.792	2.755		-1.3	
Acetophenone	0.545	0.564		3.5	
3+4-Methylphenols	1.607	1.688		5.0	
n-Nitroso-di-n-propylamine	1.030	1.098	0.050	6.6	
Nitrobenzene-d5	0.405	0.419		3.5	
Hexachloroethane	0.558	0.554		-0.7	
Nitrobenzene	0.409	0.429		4.9	
Isophorone	0.770	0.777		0.9	
2-Nitrophenol	0.184	0.199		8.2	20.0
2,4-Dimethylphenol	0.327	0.342		4.6	
bis(2-Chloroethoxy)methane	0.423	0.446		5.4	
2,4-Dichlorophenol	0.351	0.375		6.8	20.0
Naphthalene	1.134	1.150		1.4	
4-Chloroaniline	0.454	0.480		5.7	
Hexachlorobutadiene	0.363	0.356		-1.9	20.0
Caprolactam	0.105	0.116		10.5	
4-Chloro-3-methylphenol	0.390	0.410		5.1	20.0
2-Methylnaphthalene	0.848	0.857		1.1	
Hexachlorocyclopentadiene	0.558	0.514	0.050	-7.9	
2,4,6-Trichlorophenol	0.457	0.473		3.5	20.0
2-Fluorobiphenyl	1.433	1.411		-1.5	
2,4,5-Trichlorophenol	0.512	0.536		4.7	
1,1-Biphenyl	1.436	1.424		-0.8	
2-Chloronaphthalene	1.132	1.136		0.4	
2-Nitroaniline	0.364	0.392		7.7	
Dimethylphthalate	1.580	1.594		0.9	
Acenaphthylene	1.933	1.969		1.9	
2,6-Dinitrotoluene	0.304	0.322		5.9	
3-Nitroaniline	0.300	0.334		11.3	
Acenaphthene	1.159	1.215		4.8	20.0
2,4-Dinitrophenol	0.158	0.188	0.050	19.0	
4-Nitrophenol	0.238	0.275	0.050	15.5	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.916	1.950		1.8	
2,4-Dinitrotoluene	0.456	0.508		11.4	
Diethylphthalate	1.513	1.563		3.3	
4-Chlorophenyl-phenylether	0.902	0.910		0.9	
Fluorene	1.503	1.520		1.1	
4-Nitroaniline	0.311	0.352		13.2	
4,6-Dinitro-2-methylphenol	0.111	0.119		7.2	
n-Nitrosodiphenylamine	0.524	0.519		-1.0	20.0
2,4,6-Tribromophenol	0.390	0.407		4.4	
4-Bromophenyl-phenylether	0.263	0.254		-3.4	
Hexachlorobenzene	0.318	0.306		-3.8	
Atrazine	0.253	0.248		-2.0	
Pentachlorophenol	0.157	0.178		13.4	20.0
Phenanthrene	1.094	1.079		-1.4	
Anthracene	1.116	1.114		-0.2	
Carbazole	0.959	0.965		0.6	
Di-n-butylphthalate	1.070	1.054		-1.5	
Fluoranthene	1.496	1.468		-1.9	20.0
Pyrene	1.121	1.199		7.0	
Terphenyl-d14	1.017	1.055		3.7	
Butylbenzylphthalate	0.394	0.412		4.6	
3,3-Dichlorobenzidine	0.501	0.464		-7.4	
Benzo (a) anthracene	1.360	1.351		-0.7	
Chrysene	1.282	1.288		0.5	
Bis(2-ethylhexyl)phthalate	0.576	0.568		-1.4	
Di-n-octyl phthalate	0.996	0.953		-4.3	20.0
Benzo (b) fluoranthene	1.273	1.244		-2.3	
Benzo (k) fluoranthene	1.279	1.279		0.0	
Benzo (a) pyrene	1.181	1.179		-0.2	20.0
Indeno (1,2,3-cd) pyrene	1.374	1.407		2.4	
Dibenzo (a,h) anthracene	1.126	1.153		2.4	
Benzo (g,h,i) perylene	1.083	1.120		3.4	
1,2,4,5-Tetrachlorobenzene	0.778	0.767		-1.4	
1,4-Dioxane	0.443	0.432		-2.5	20.0
2,3,4,6-Tetrachlorophenol	0.506	0.543		7.3	

All other compounds must meet a minimum RRF of 0.010.