

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>CORE02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2994</u>
Instrument ID:	<u>BNA_G</u>	Calibration Date/Time:	<u>09/02/2025 11:10</u>
Lab File ID:	<u>BG064240.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	1.180		5.8	
Benzaldehyde	1.260	1.352		7.3	
Phenol-d6	1.532	1.622		5.9	
Phenol	1.689	1.767		4.7	20.0
bis(2-Chloroethyl)ether	1.269	1.308		3.1	
2-Chlorophenol	1.362	1.390		2.1	
2-Methylphenol	1.258	1.236		-1.7	
2,2-oxybis(1-Chloropropane)	2.897	2.888		-0.3	
Acetophenone	0.506	0.513		1.4	
3+4-Methylphenols	1.749	1.690		-3.4	
n-Nitroso-di-n-propylamine	1.172	1.137	0.050	-3.0	
Nitrobenzene-d5	0.359	0.378		5.3	
Hexachloroethane	0.571	0.585		2.5	
Nitrobenzene	0.375	0.388		3.5	
Isophorone	0.745	0.720		-3.4	
2-Nitrophenol	0.162	0.171		5.6	20.0
2,4-Dimethylphenol	0.284	0.293		3.2	
bis(2-Chloroethoxy)methane	0.402	0.411		2.2	
2,4-Dichlorophenol	0.300	0.307		2.3	20.0
Naphthalene	1.037	1.036		-0.1	
4-Chloroaniline	0.402	0.397		-1.2	
Hexachlorobutadiene	0.234	0.224		-4.3	20.0
Caprolactam	0.116	0.100		-13.8	
4-Chloro-3-methylphenol	0.389	0.372		-4.4	20.0
2-Methylnaphthalene	0.771	0.760		-1.4	
Hexachlorocyclopentadiene	0.274	0.309	0.050	12.8	
2,4,6-Trichlorophenol	0.386	0.406		5.2	20.0
2-Fluorobiphenyl	1.310	1.342		2.4	
2,4,5-Trichlorophenol	0.418	0.425		1.7	
1,1-Biphenyl	1.457	1.512		3.8	
2-Chloronaphthalene	1.095	1.124		2.6	
2-Nitroaniline	0.373	0.415		11.3	
Dimethylphthalate	1.514	1.444		-4.6	
Acenaphthylene	1.619	1.649		1.9	
2,6-Dinitrotoluene	0.293	0.296		1.0	
3-Nitroaniline	0.307	0.313		2.0	
Acenaphthene	1.142	1.161		1.7	20.0
2,4-Dinitrophenol	0.163	0.173	0.050	6.1	
4-Nitrophenol	0.252	0.246	0.050	-2.4	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.797	1.767		-1.7	
2,4-Dinitrotoluene	0.443	0.453		2.3	
Diethylphthalate	1.620	1.490		-8.0	
4-Chlorophenyl-phenylether	0.734	0.706		-3.8	
Fluorene	1.473	1.425		-3.3	
4-Nitroaniline	0.313	0.318		1.6	
4,6-Dinitro-2-methylphenol	0.115	0.126		9.6	
n-Nitrosodiphenylamine	0.550	0.573		4.2	20.0
2,4,6-Tribromophenol	0.265	0.256		-3.4	
4-Bromophenyl-phenylether	0.212	0.221		4.2	
Hexachlorobenzene	0.236	0.236		0.0	
Atrazine	0.230	0.223		-3.0	
Pentachlorophenol	0.143	0.151		5.6	20.0
Phenanthrene	1.055	1.053		-0.2	
Anthracene	1.073	1.090		1.6	
Carbazole	0.945	0.950		0.5	
Di-n-butylphthalate	1.136	1.142		0.5	
Fluoranthene	1.240	1.186		-4.4	20.0
Pyrene	1.260	1.300		3.2	
Terphenyl-d14	0.959	0.983		2.5	
Butylbenzylphthalate	0.475	0.526		10.7	
3,3-Dichlorobenzidine	0.417	0.427		2.4	
Benzo (a) anthracene	1.280	1.307		2.1	
Chrysene	1.228	1.253		2.0	
Bis(2-ethylhexyl)phthalate	0.714	0.778		9.0	
Di-n-octyl phthalate	1.243	1.350		8.6	20.0
Benzo (b) fluoranthene	1.129	1.161		2.8	
Benzo (k) fluoranthene	1.150	1.201		4.4	
Benzo (a) pyrene	1.050	1.099		4.7	20.0
Indeno (1,2,3-cd) pyrene	1.366	1.392		1.9	
Dibenzo (a,h) anthracene	1.097	1.140		3.9	
Benzo (g,h,i) perylene	1.067	1.087		1.9	
1,2,4,5-Tetrachlorobenzene	0.577	0.602		4.3	
1,4-Dioxane	0.465	0.501		7.7	20.0
2,3,4,6-Tetrachlorophenol	0.402	0.396		-1.5	

All other compounds must meet a minimum RRF of 0.010.