

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>ROYF02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3321</u>
Instrument ID:	<u>BNA_F</u>	Calibration Date/Time:	<u>10/10/2025 12:32</u>
Lab File ID:	<u>BF143920.D</u>	Init. Calib. Date(s):	<u>10/06/2025 10/06/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>09:59 14:22</u>
GC Column:	<u>DB-UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.259	1.354		7.5	
Benzaldehyde	1.158	1.316		13.6	
Phenol-d6	1.501	1.564		4.2	
Phenol	1.795	1.996		11.2	20.0
bis(2-Chloroethyl)ether	1.386	1.462		5.5	
2-Chlorophenol	1.231	1.308		6.3	
2-Methylphenol	1.017	1.069		5.1	
2,2-oxybis(1-Chloropropane)	3.156	3.381		7.1	
Acetophenone	0.423	0.424		0.2	
3+4-Methylphenols	1.179	1.252		6.2	
n-Nitroso-di-n-propylamine	1.028	1.054	0.050	2.5	
Nitrobenzene-d5	0.329	0.354		7.6	
Hexachloroethane	0.485	0.507		4.5	
Nitrobenzene	0.366	0.393		7.4	
Isophorone	0.694	0.688		-0.9	
2-Nitrophenol	0.157	0.186		18.5	20.0
2,4-Dimethylphenol	0.282	0.286		1.4	
bis(2-Chloroethoxy)methane	0.438	0.435		-0.7	
2,4-Dichlorophenol	0.294	0.299		1.7	20.0
Naphthalene	0.910	0.910		0.0	
4-Chloroaniline	0.341	0.347		1.8	
Hexachlorobutadiene	0.201	0.198		-1.5	20.0
Caprolactam	0.093	0.097		4.3	
4-Chloro-3-methylphenol	0.282	0.286		1.4	20.0
2-Methylnaphthalene	0.606	0.601		-0.8	
Hexachlorocyclopentadiene	0.229	0.224	0.050	-2.2	
2,4,6-Trichlorophenol	0.404	0.419		3.7	20.0
2-Fluorobiphenyl	1.260	1.193		-5.3	
2,4,5-Trichlorophenol	0.427	0.448		4.9	
1,1-Biphenyl	1.324	1.326		0.2	
2-Chloronaphthalene	1.104	1.120		1.4	
2-Nitroaniline	0.349	0.392		12.3	
Dimethylphthalate	1.270	1.302		2.5	
Acenaphthylene	1.552	1.573		1.4	
2,6-Dinitrotoluene	0.236	0.274		16.1	
3-Nitroaniline	0.288	0.314		9.0	
Acenaphthene	1.017	1.037		2.0	20.0
2,4-Dinitrophenol	0.118	0.135	0.050	14.4	
4-Nitrophenol	0.218	0.233	0.050	6.9	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.436	1.442		0.4	
2,4-Dinitrotoluene	0.320	0.376		17.2	
Diethylphthalate	1.180	1.196		1.4	
4-Chlorophenyl-phenylether	0.573	0.581		1.4	
Fluorene	1.083	1.076		-0.6	
4-Nitroaniline	0.277	0.300		8.3	
4,6-Dinitro-2-methylphenol	0.101	0.113		11.9	
n-Nitrosodiphenylamine	0.628	0.633		0.8	20.0
2,4,6-Tribromophenol	0.199	0.207		4.0	
4-Bromophenyl-phenylether	0.221	0.221		0.0	
Hexachlorobenzene	0.256	0.254		-0.8	
Atrazine	0.190	0.187		-1.6	
Pentachlorophenol	0.147	0.149		1.4	20.0
Phenanthrene	0.970	0.969		-0.1	
Anthracene	0.980	0.973		-0.7	
Carbazole	0.868	0.862		-0.7	
Di-n-butylphthalate	1.005	1.055		5.0	
Fluoranthene	1.002	0.980		-2.2	20.0
Pyrene	1.667	1.818		9.1	
Terphenyl-d14	1.170	1.312		12.1	
Butylbenzylphthalate	0.542	0.630		16.2	
3,3-Dichlorobenzidine	0.399	0.413		3.5	
Benzo (a) anthracene	1.309	1.386		5.9	
Chrysene	1.211	1.284		6.0	
Bis(2-ethylhexyl)phthalate	0.653	0.759		16.2	
Di-n-octyl phthalate	1.072	1.255		17.1	20.0
Benzo (b) fluoranthene	1.149	1.152		0.3	
Benzo (k) fluoranthene	1.063	1.059		-0.4	
Benzo (a) pyrene	0.996	1.029		3.3	20.0
Indeno (1,2,3-cd) pyrene	1.225	1.406		14.8	
Dibenzo (a,h) anthracene	0.986	1.138		15.4	
Benzo (g,h,i) perylene	0.986	1.131		14.7	
1,2,4,5-Tetrachlorobenzene	0.553	0.568		2.7	
1,4-Dioxane	0.583	0.639		9.6	20.0
2,3,4,6-Tetrachlorophenol	0.302	0.315		4.3	

All other compounds must meet a minimum RRF of 0.010.