

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>FIRS02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2553</u>
Instrument ID:	<u>BNA_M</u>	Calibration Date/Time:	<u>07/14/2025 10:50</u>
Lab File ID:	<u>BM050420.D</u>	Init. Calib. Date(s):	<u>07/08/2025 07/08/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>12:39 17:22</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.162	1.133		-2.5	
Benzaldehyde	0.871	0.938		7.7	
Phenol-d6	1.465	1.474		0.6	
Phenol	1.528	1.507		-1.4	20.0
bis(2-Chloroethyl) ether	1.223	1.191		-2.6	
2-Chlorophenol	1.225	1.232		0.6	
2-Methylphenol	0.991	0.991		0.0	
2,2-oxybis(1-Chloropropane)	1.802	1.705		-5.4	
Acetophenone	0.500	0.489		-2.2	
3+4-Methylphenols	1.330	1.340		0.8	
n-Nitroso-di-n-propylamine	0.887	0.929	0.050	4.7	
Nitrobenzene-d5	0.392	0.394		0.5	
Hexachloroethane	0.535	0.514		-3.9	
Nitrobenzene	0.350	0.346		-1.1	
Isophorone	0.636	0.654		2.8	
2-Nitrophenol	0.143	0.160		11.9	20.0
2,4-Dimethylphenol	0.303	0.303		0.0	
bis(2-Chloroethoxy) methane	0.422	0.414		-1.9	
2,4-Dichlorophenol	0.312	0.319		2.2	20.0
Naphthalene	1.016	0.984		-3.2	
4-Chloroaniline	0.429	0.437		1.9	
Hexachlorobutadiene	0.228	0.219		-3.9	20.0
Caprolactam	0.085	0.095		11.8	
4-Chloro-3-methylphenol	0.291	0.306		5.2	20.0
2-Methylnaphthalene	0.641	0.641		0.0	
Hexachlorocyclopentadiene	0.407	0.385	0.050	-5.4	
2,4,6-Trichlorophenol	0.391	0.400		2.3	20.0
2-Fluorobiphenyl	1.620	1.546		-4.6	
2,4,5-Trichlorophenol	0.428	0.436		1.9	
1,1-Biphenyl	1.484	1.416		-4.6	
2-Chloronaphthalene	1.183	1.128		-4.6	
2-Nitroaniline	0.264	0.286		8.3	
Dimethylphthalate	1.377	1.364		-0.9	
Acenaphthylene	1.788	1.762		-1.5	
2,6-Dinitrotoluene	0.264	0.285		8.0	
3-Nitroaniline	0.281	0.305		8.5	
Acenaphthene	1.137	1.112		-2.2	20.0
2,4-Dinitrophenol	0.121	0.141	0.050	16.5	
4-Nitrophenol	0.242	0.255	0.050	5.4	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.751	1.695		-3.2	
2,4-Dinitrotoluene	0.350	0.390		11.4	
Diethylphthalate	1.315	1.310		-0.4	
4-Chlorophenyl-phenylether	0.754	0.737		-2.3	
Fluorene	1.443	1.411		-2.2	
4-Nitroaniline	0.288	0.317		10.1	
4,6-Dinitro-2-methylphenol	0.095	0.107		12.6	
n-Nitrosodiphenylamine	0.626	0.612		-2.2	20.0
2,4,6-Tribromophenol	0.243	0.261		7.4	
4-Bromophenyl-phenylether	0.220	0.218		-0.9	
Hexachlorobenzene	0.260	0.256		-1.5	
Atrazine	0.206	0.211		2.4	
Pentachlorophenol	0.162	0.166		2.5	20.0
Phenanthrene	1.132	1.094		-3.4	
Anthracene	1.127	1.116		-1.0	
Carbazole	1.019	1.020		0.1	
Di-n-butylphthalate	1.116	1.136		1.8	
Fluoranthene	1.230	1.238		0.6	20.0
Pyrene	1.281	1.254		-2.1	
Terphenyl-d14	1.137	1.202		5.7	
Butylbenzylphthalate	0.422	0.467		10.7	
3,3-Dichlorobenzidine	0.439	0.447		1.8	
Benzo (a) anthracene	1.303	1.287		-1.2	
Chrysene	1.229	1.207		-1.8	
Bis(2-ethylhexyl)phthalate	0.670	0.726		8.4	
Di-n-octyl phthalate	1.050	1.156		10.1	20.0
Benzo (b) fluoranthene	1.230	1.223		-0.6	
Benzo (k) fluoranthene	1.276	1.240		-2.8	
Benzo (a) pyrene	1.152	1.156		0.3	20.0
Indeno (1,2,3-cd) pyrene	1.422	1.435		0.9	
Dibenzo (a,h) anthracene	1.198	1.200		0.2	
Benzo (g,h,i) perylene	1.132	1.132		0.0	
1,2,4,5-Tetrachlorobenzene	0.636	0.608		-4.4	
1,4-Dioxane	0.478	0.451		-5.6	20.0
2,3,4,6-Tetrachlorophenol	0.360	0.372		3.3	

All other compounds must meet a minimum RRF of 0.010.