

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 16:53</u>
Lab File ID:	<u>BM050429.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	1.168		0.5	
Benzaldehyde	0.871	0.978		12.3	
Phenol-d6	1.465	1.509		3.0	
Phenol	1.528	1.550		1.4	20.0
bis(2-Chloroethyl)ether	1.223	1.201		-1.8	
2-Chlorophenol	1.225	1.227		0.2	
2-Methylphenol	0.991	0.997		0.6	
2,2-oxybis(1-Chloropropane)	1.802	1.758		-2.4	
Acetophenone	0.500	0.498		-0.4	
3+4-Methylphenols	1.330	1.325		-0.4	
n-Nitroso-di-n-propylamine	0.887	0.921	0.050	3.8	
Nitrobenzene-d5	0.392	0.399		1.8	
Hexachloroethane	0.535	0.528		-1.3	
Nitrobenzene	0.350	0.351		0.3	
Isophorone	0.636	0.632		-0.6	
2-Nitrophenol	0.143	0.152		6.3	20.0
2,4-Dimethylphenol	0.303	0.299		-1.3	
bis(2-Chloroethoxy)methane	0.422	0.410		-2.8	
2,4-Dichlorophenol	0.312	0.313		0.3	20.0
Naphthalene	1.016	0.985		-3.1	
4-Chloroaniline	0.429	0.431		0.5	
Hexachlorobutadiene	0.228	0.214		-6.1	20.0
Caprolactam	0.085	0.086		1.2	
4-Chloro-3-methylphenol	0.291	0.297		2.1	20.0
2-Methylnaphthalene	0.641	0.632		-1.4	
Hexachlorocyclopentadiene	0.407	0.389	0.050	-4.4	
2,4,6-Trichlorophenol	0.391	0.395		1.0	20.0
2-Fluorobiphenyl	1.620	1.578		-2.6	
2,4,5-Trichlorophenol	0.428	0.430		0.5	
1,1-Biphenyl	1.484	1.450		-2.3	
2-Chloronaphthalene	1.183	1.165		-1.5	
2-Nitroaniline	0.264	0.284		7.6	
Dimethylphthalate	1.377	1.351		-1.9	
Acenaphthylene	1.788	1.795		0.4	
2,6-Dinitrotoluene	0.264	0.279		5.7	
3-Nitroaniline	0.281	0.301		7.1	
Acenaphthene	1.137	1.130		-0.6	20.0
2,4-Dinitrophenol	0.121	0.129	0.050	6.6	
4-Nitrophenol	0.242	0.252	0.050	4.1	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.751	1.713		-2.2	
2,4-Dinitrotoluene	0.350	0.382		9.1	
Diethylphthalate	1.315	1.308		-0.5	
4-Chlorophenyl-phenylether	0.754	0.739		-2.0	
Fluorene	1.443	1.436		-0.5	
4-Nitroaniline	0.288	0.322		11.8	
4,6-Dinitro-2-methylphenol	0.095	0.101		6.3	
n-Nitrosodiphenylamine	0.626	0.615		-1.8	20.0
2,4,6-Tribromophenol	0.243	0.255		4.9	
4-Bromophenyl-phenylether	0.220	0.215		-2.3	
Hexachlorobenzene	0.260	0.251		-3.5	
Atrazine	0.206	0.210		1.9	
Pentachlorophenol	0.162	0.165		1.9	20.0
Phenanthrene	1.132	1.100		-2.8	
Anthracene	1.127	1.122		-0.4	
Carbazole	1.019	1.039		2.0	
Di-n-butylphthalate	1.116	1.151		3.1	
Fluoranthene	1.230	1.253		1.9	20.0
Pyrene	1.281	1.213		-5.3	
Terphenyl-d14	1.137	1.182		4.0	
Butylbenzylphthalate	0.422	0.453		7.3	
3,3-Dichlorobenzidine	0.439	0.426		-3.0	
Benzo (a) anthracene	1.303	1.300		-0.2	
Chrysene	1.229	1.213		-1.3	
Bis(2-ethylhexyl)phthalate	0.670	0.731		9.1	
Di-n-octyl phthalate	1.050	1.148		9.3	20.0
Benzo (b) fluoranthene	1.230	1.225		-0.4	
Benzo (k) fluoranthene	1.276	1.236		-3.1	
Benzo (a) pyrene	1.152	1.164		1.0	20.0
Indeno (1,2,3-cd) pyrene	1.422	1.455		2.3	
Dibenzo (a,h) anthracene	1.198	1.223		2.1	
Benzo (g,h,i) perylene	1.132	1.152		1.8	
1,2,4,5-Tetrachlorobenzene	0.636	0.609		-4.2	
1,4-Dioxane	0.478	0.462		-3.3	20.0
2,3,4,6-Tetrachlorophenol	0.360	0.367		1.9	

All other compounds must meet a minimum RRF of 0.010.