

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>ENVO01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2515</u>
Instrument ID:	<u>BNA_F</u>	Calibration Date/Time:	<u>07/09/2025 10:52</u>
Lab File ID:	<u>BF143048.D</u>	Init. Calib. Date(s):	<u>06/19/2025 06/19/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>17:07 20:40</u>
GC Column:	<u>DB-UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.201	1.190		-0.9	
Benzaldehyde	0.841	0.917		9.0	
Phenol-d6	1.417	1.399		-1.3	
Phenol	1.575	1.548		-1.7	20.0
bis(2-Chloroethyl)ether	1.126	1.113		-1.2	
2-Chlorophenol	1.296	1.293		-0.2	
2-Methylphenol	0.982	0.968		-1.4	
2,2-oxybis(1-Chloropropane)	1.809	1.636		-9.6	
Acetophenone	0.441	0.435		-1.4	
3+4-Methylphenols	1.224	1.238		1.1	
n-Nitroso-di-n-propylamine	0.824	0.819	0.050	-0.6	
Nitrobenzene-d5	0.365	0.383		4.9	
Hexachloroethane	0.511	0.503		-1.6	
Nitrobenzene	0.330	0.321		-2.7	
Isophorone	0.585	0.566		-3.2	
2-Nitrophenol	0.180	0.180		0.0	20.0
2,4-Dimethylphenol	0.311	0.298		-4.2	
bis(2-Chloroethoxy)methane	0.372	0.364		-2.2	
2,4-Dichlorophenol	0.282	0.277		-1.8	20.0
Naphthalene	0.979	0.942		-3.8	
4-Chloroaniline	0.398	0.385		-3.3	
Hexachlorobutadiene	0.190	0.187		-1.6	20.0
Caprolactam	0.075	0.073		-2.7	
4-Chloro-3-methylphenol	0.281	0.274		-2.5	20.0
2-Methylnaphthalene	0.607	0.598		-1.5	
Hexachlorocyclopentadiene	0.335	0.341	0.050	1.8	
2,4,6-Trichlorophenol	0.385	0.356		-7.5	20.0
2-Fluorobiphenyl	1.522	1.555		2.2	
2,4,5-Trichlorophenol	0.405	0.379		-6.4	
1,1-Biphenyl	1.580	1.532		-3.0	
2-Chloronaphthalene	1.186	1.134		-4.4	
2-Nitroaniline	0.332	0.317		-4.5	
Dimethylphthalate	1.295	1.268		-2.1	
Acenaphthylene	1.952	1.863		-4.6	
2,6-Dinitrotoluene	0.284	0.281		-1.1	
3-Nitroaniline	0.313	0.292		-6.7	
Acenaphthene	1.191	1.172		-1.6	20.0
2,4-Dinitrophenol	0.142	0.173	0.050	21.8	
4-Nitrophenol	0.214	0.250	0.050	16.8	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.708	1.630		-4.6	
2,4-Dinitrotoluene	0.378	0.375		-0.8	
Diethylphthalate	1.269	1.231		-3.0	
4-Chlorophenyl-phenylether	0.636	0.620		-2.5	
Fluorene	1.334	1.292		-3.1	
4-Nitroaniline	0.286	0.271		-5.2	
4,6-Dinitro-2-methylphenol	0.121	0.118		-2.5	
n-Nitrosodiphenylamine	0.693	0.678		-2.2	20.0
2,4,6-Tribromophenol	0.206	0.202		-1.9	
4-Bromophenyl-phenylether	0.228	0.229		0.4	
Hexachlorobenzene	0.253	0.249		-1.6	
Atrazine	0.179	0.180		0.6	
Pentachlorophenol	0.126	0.181		43.7	20.0
Phenanthrene	1.083	1.038		-4.2	
Anthracene	1.111	1.064		-4.2	
Carbazole	0.959	0.897		-6.5	
Di-n-butylphthalate	0.999	0.985		-1.4	
Fluoranthene	1.028	0.934		-9.1	20.0
Pyrene	1.875	2.057		9.7	
Terphenyl-d14	1.447	1.481		2.3	
Butylbenzylphthalate	0.544	0.572		5.1	
3,3-Dichlorobenzidine	0.438	0.472		7.8	
Benzo (a) anthracene	1.349	1.327		-1.6	
Chrysene	1.204	1.179		-2.1	
Bis(2-ethylhexyl)phthalate	0.782	0.881		12.7	
Di-n-octyl phthalate	1.475	1.717		16.4	20.0
Benzo (b) fluoranthene	1.157	1.101		-4.8	
Benzo (k) fluoranthene	1.083	1.058		-2.3	
Benzo (a) pyrene	1.118	1.086		-2.9	20.0
Indeno (1,2,3-cd) pyrene	1.523	1.452		-4.7	
Dibenzo (a,h) anthracene	1.238	1.181		-4.6	
Benzo (g,h,i) perylene	1.234	1.161		-5.9	
1,2,4,5-Tetrachlorobenzene	0.590	0.572		-3.1	
1,4-Dioxane	0.480	0.441		-8.1	20.0
2,3,4,6-Tetrachlorophenol	0.326	0.318		-2.5	

All other compounds must meet a minimum RRF of 0.010.