

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>GENV01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2664</u>
Instrument ID:	<u>BNA_P</u>	Calibration Date/Time:	<u>07/28/2025 14:06</u>
Lab File ID:	<u>BP025248.D</u>	Init. Calib. Date(s):	<u>07/21/2025 07/21/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>14:25 19:14</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.184	1.167		-1.4	
Benzaldehyde	0.994	0.865		-13.0	
Phenol-d6	1.466	1.510		3.0	
bis(2-Chloroethyl)ether	1.166	1.184		1.5	
2,2-oxybis(1-Chloropropane)	1.491	1.523		2.1	
Acetophenone	0.465	0.459		-1.3	
n-Nitroso-di-n-propylamine	0.882	0.924	0.050	4.8	
Nitrobenzene-d5	0.360	0.358		-0.6	
Hexachloroethane	0.524	0.512		-2.3	
Nitrobenzene	0.321	0.318		-0.9	
Isophorone	0.633	0.620		-2.1	
bis(2-Chloroethoxy)methane	0.396	0.391		-1.3	
Naphthalene	1.023	1.007		-1.6	
4-Chloroaniline	0.450	0.391		-13.1	
Hexachlorobutadiene	0.208	0.200		-3.8	20.0
Caprolactam	0.105	0.101		-3.8	
2-Methylnaphthalene	0.665	0.664		-0.2	
Hexachlorocyclopentadiene	0.358	0.342	0.050	-4.5	
2-Fluorobiphenyl	1.419	1.436		1.2	
1,1-Biphenyl	1.450	1.432		-1.2	
2-Chloronaphthalene	1.132	1.121		-1.0	
2-Nitroaniline	0.289	0.289		0.0	
Dimethylphthalate	1.430	1.417		-0.9	
Acenaphthylene	1.831	1.824		-0.4	
2,6-Dinitrotoluene	0.311	0.309		-0.6	
3-Nitroaniline	0.350	0.311		-11.1	
Acenaphthene	1.059	1.048		-1.0	20.0
Dibenzofuran	1.710	1.708		-0.1	
2,4-Dinitrotoluene	0.435	0.440		1.1	
Diethylphthalate	1.410	1.381		-2.1	
4-Chlorophenyl-phenylether	0.686	0.681		-0.7	
Fluorene	1.358	1.372		1.0	
4-Nitroaniline	0.356	0.333		-6.5	
n-Nitrosodiphenylamine	0.607	0.593		-2.3	20.0
2,4,6-Tribromophenol	0.295	0.284		-3.7	
4-Bromophenyl-phenylether	0.233	0.225		-3.4	
Hexachlorobenzene	0.277	0.269		-2.9	
Atrazine	0.225	0.219		-2.7	
Phenanthrene	1.079	1.089		0.9	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Anthracene	1.087	1.100		1.2	
Carbazole	1.037	1.026		-1.1	
Di-n-butylphthalate	1.197	1.210		1.1	
Fluoranthene	1.270	1.268		-0.2	20.0
Pyrene	1.233	1.243		0.8	
Terphenyl-d14	1.013	1.078		6.4	
Butylbenzylphthalate	0.558	0.530		-5.0	
3,3-Dichlorobenzidine	0.524	0.466		-11.1	
Benzo(a)anthracene	1.263	1.239		-1.9	
Chrysene	1.179	1.161		-1.5	
Bis(2-ethylhexyl)phthalate	0.798	0.760		-4.8	
Di-n-octyl phthalate	1.378	1.296		-6.0	20.0
Benzo(b)fluoranthene	1.145	1.143		-0.2	
Benzo(k)fluoranthene	1.130	1.140		0.9	
Benzo(a)pyrene	1.117	1.124		0.6	20.0
Indeno(1,2,3-cd)pyrene	1.462	1.451		-0.8	
Dibenzo(a,h)anthracene	1.192	1.190		-0.2	
Benzo(g,h,i)perylene	1.172	1.169		-0.3	
1,2,4,5-Tetrachlorobenzene	0.599	0.581		-3.0	
1,4-Dioxane	0.444	0.425		-4.3	20.0

All other compounds must meet a minimum RRF of 0.010.