

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>SCAL01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3150</u>
Instrument ID:	<u>BNA_P</u>	Calibration Date/Time:	<u>09/23/2025 11:03</u>
Lab File ID:	<u>BP025824.D</u>	Init. Calib. Date(s):	<u>09/11/2025 09/11/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>08:56 15:20</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.240	1.206		-2.7	
Benzaldehyde	0.987	1.329		34.7	
Phenol-d6	1.648	1.633		-0.9	
Phenol	1.737	1.706		-1.8	20.0
bis(2-Chloroethyl)ether	1.396	1.328		-4.9	
2-Chlorophenol	1.360	1.331		-2.1	
2-Methylphenol	1.171	1.149		-1.9	
2,2-oxybis(1-Chloropropane)	2.283	2.095		-8.2	
Acetophenone	0.534	0.515		-3.6	
3+4-Methylphenols	1.640	1.568		-4.4	
n-Nitroso-di-n-propylamine	1.149	1.124	0.050	-2.2	
Nitrobenzene-d5	0.453	0.430		-5.1	
Hexachloroethane	0.602	0.565		-6.1	
Nitrobenzene	0.407	0.386		-5.2	
Isophorone	0.797	0.768		-3.6	
2-Nitrophenol	0.181	0.188		3.9	20.0
2,4-Dimethylphenol	0.317	0.312		-1.6	
bis(2-Chloroethoxy)methane	0.461	0.446		-3.3	
2,4-Dichlorophenol	0.316	0.312		-1.3	20.0
Naphthalene	1.078	1.001		-7.1	
4-Chloroaniline	0.449	0.449		0.0	
Hexachlorobutadiene	0.229	0.215		-6.1	20.0
Caprolactam	0.122	0.155		27.0	
4-Chloro-3-methylphenol	0.377	0.368		-2.4	20.0
2-Methylnaphthalene	0.693	0.664		-4.2	
Hexachlorocyclopentadiene	0.330	0.318	0.050	-3.6	
2,4,6-Trichlorophenol	0.398	0.398		0.0	20.0
2-Fluorobiphenyl	1.502	1.396		-7.1	
2,4,5-Trichlorophenol	0.443	0.437		-1.4	
1,1-Biphenyl	1.468	1.383		-5.8	
2-Chloronaphthalene	1.156	1.081		-6.5	
2-Nitroaniline	0.385	0.383		-0.5	
Dimethylphthalate	1.527	1.475		-3.4	
Acenaphthylene	1.915	1.813		-5.3	
2,6-Dinitrotoluene	0.324	0.326		0.6	
3-Nitroaniline	0.340	0.357		5.0	
Acenaphthene	1.104	1.016		-8.0	20.0
2,4-Dinitrophenol	0.183	0.213	0.050	16.4	
4-Nitrophenol	0.258	0.354	0.050	37.2	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.800	1.653		-8.2	
2,4-Dinitrotoluene	0.460	0.473		2.8	
Diethylphthalate	1.549	1.520		-1.9	
4-Chlorophenyl-phenylether	0.721	0.681		-5.5	
Fluorene	1.431	1.345		-6.0	
4-Nitroaniline	0.349	0.384		10.0	
4,6-Dinitro-2-methylphenol	0.133	0.144		8.3	
n-Nitrosodiphenylamine	0.612	0.565		-7.7	20.0
2,4,6-Tribromophenol	0.249	0.260		4.4	
4-Bromophenyl-phenylether	0.220	0.208		-5.5	
Hexachlorobenzene	0.245	0.232		-5.3	
Atrazine	0.234	0.230		-1.7	
Pentachlorophenol	0.162	0.151		-6.8	20.0
Phenanthrene	1.135	1.040		-8.4	
Anthracene	1.151	1.047		-9.0	
Carbazole	1.070	1.022		-4.5	
Di-n-butylphthalate	1.313	1.327		1.1	
Fluoranthene	1.361	1.304		-4.2	20.0
Pyrene	1.335	1.221		-8.5	
Terphenyl-d14	1.112	0.988		-11.2	
Butylbenzylphthalate	0.585	0.595		1.7	
3,3-Dichlorobenzidine	0.473	0.471		-0.4	
Benzo (a) anthracene	1.369	1.272		-7.1	
Chrysene	1.305	1.192		-8.7	
Bis(2-ethylhexyl)phthalate	0.856	0.871		1.8	
Di-n-octyl phthalate	1.523	1.613		5.9	20.0
Benzo (b) fluoranthene	1.223	1.198		-2.0	
Benzo (k) fluoranthene	1.248	1.146		-8.2	
Benzo (a) pyrene	1.198	1.117		-6.8	20.0
Indeno (1,2,3-cd) pyrene	1.454	1.226		-15.7	
Dibenzo (a,h) anthracene	1.190	1.016		-14.6	
Benzo (g,h,i) perylene	1.171	0.928		-20.8	
1,2,4,5-Tetrachlorobenzene	0.606	0.580		-4.3	
1,4-Dioxane	0.520	0.466		-10.4	20.0
2,3,4,6-Tetrachlorophenol	0.399	0.403		1.0	

All other compounds must meet a minimum RRF of 0.010.