

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>ALLI03</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3483</u>
Instrument ID:	<u>BNA_P</u>	Calibration Date/Time:	<u>11/26/2025 14:04</u>
Lab File ID:	<u>BP026190.D</u>	Init. Calib. Date(s):	<u>11/18/2025 11/18/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>14:31 21:22</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
n-Nitrosodimethylamine	0.546	0.500		-8.4	
Pyridine	1.461	1.358		-7.1	
2-Fluorophenol	1.246	1.185		-4.9	
Benzaldehyde	0.831	0.859		3.4	
Aniline	2.094	1.972		-5.8	
Phenol-d6	1.586	1.536		-3.2	
Phenol	1.709	1.640		-4.0	20.0
bis(2-Chloroethyl)ether	1.338	1.296		-3.1	
2-Chlorophenol	1.418	1.403		-1.1	
1,2-Dichlorobenzene	1.479	1.494		1.0	
1,3-Dichlorobenzene	1.528	1.553		1.6	
1,4-Dichlorobenzene	1.540	1.553		0.8	20.0
Benzyl Alcohol	1.162	1.091		-6.1	
2-Methylphenol	1.163	1.142		-1.8	
2,2-oxybis(1-Chloropropane)	1.879	1.787		-4.9	
Acetophenone	0.508	0.495		-2.6	
3+4-Methylphenols	1.612	1.555		-3.5	
n-Nitroso-di-n-propylamine	0.985	0.970	0.050	-1.5	
Nitrobenzene-d5	0.352	0.339		-3.7	
Hexachloroethane	0.560	0.561		0.2	
Nitrobenzene	0.356	0.345		-3.1	
Isophorone	0.698	0.678		-2.9	
2-Nitrophenol	0.180	0.178		-1.1	20.0
2,4-Dimethylphenol	0.325	0.288		-11.4	
bis(2-Chloroethoxy)methane	0.437	0.417		-4.6	
2,4-Dichlorophenol	0.325	0.327		0.6	20.0
1,2,4-Trichlorobenzene	0.331	0.339		2.4	
Benzoic acid	0.274	0.232		-15.3	
Naphthalene	1.081	1.077		-0.4	
4-Chloroaniline	0.460	0.444		-3.5	
Hexachlorobutadiene	0.215	0.224		4.2	20.0
Caprolactam	0.116	0.113		-2.6	
4-Chloro-3-methylphenol	0.345	0.343		-0.6	20.0
2-Methylnaphthalene	0.766	0.774		1.0	
Hexachlorocyclopentadiene	0.396	0.331	0.050	-16.4	
2,4,6-Trichlorophenol	0.415	0.419		1.0	20.0
2-Fluorobiphenyl	1.365	1.389		1.8	
2,4,5-Trichlorophenol	0.463	0.476		2.8	
1,1-Biphenyl	1.506	1.486		-1.3	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Chloronaphthalene	1.184	1.166		-1.5	
2-Nitroaniline	0.329	0.309		-6.1	
Dimethylphthalate	1.494	1.484		-0.7	
Acenaphthylene	1.953	1.945		-0.4	
2,6-Dinitrotoluene	0.296	0.306		3.4	
3-Nitroaniline	0.349	0.335		-4.0	
Acenaphthene	1.145	1.138		-0.6	20.0
2,4-Dinitrophenol	0.179	0.172	0.050	-3.9	
4-Nitrophenol	0.315	0.287	0.050	-8.9	
Dibenzofuran	1.773	1.797		1.4	
2,4-Dinitrotoluene	0.442	0.457		3.4	
Diethylphthalate	1.505	1.489		-1.1	
4-Chlorophenyl-phenylether	0.697	0.717		2.9	
Fluorene	1.401	1.433		2.3	
4-Nitroaniline	0.362	0.337		-6.9	
4,6-Dinitro-2-methylphenol	0.127	0.125		-1.6	
n-Nitrosodiphenylamine	0.619	0.613		-1.0	20.0
Azobenzene	1.269	1.234		-2.8	
2,4,6-Tribromophenol	0.259	0.283		9.3	
4-Bromophenyl-phenylether	0.221	0.229		3.6	
Hexachlorobenzene	0.257	0.267		3.9	
Atrazine	0.233	0.229		-1.7	
Pentachlorophenol	0.180	0.185		2.8	20.0
Phenanthrene	1.127	1.121		-0.5	
Anthracene	1.149	1.160		1.0	
Carbazole	1.091	1.075		-1.5	
Di-n-butylphthalate	1.294	1.301		0.5	
Fluoranthene	1.369	1.384		1.1	20.0
Benzidine	0.635	0.574		-9.6	
Pyrene	1.311	1.274		-2.8	
Terphenyl-d14	0.981	0.995		1.4	
Butylbenzylphthalate	0.578	0.555		-4.0	
3,3-Dichlorobenzidine	0.500	0.471		-5.8	
Benzo(a)anthracene	1.374	1.353		-1.5	
Chrysene	1.295	1.282		-1.0	
Bis(2-ethylhexyl)phthalate	0.874	0.837		-4.2	
Di-n-octyl phthalate	1.529	1.430		-6.5	20.0
Benzo(b)fluoranthene	1.218	1.260		3.4	
Benzo(k)fluoranthene	1.217	1.237		1.6	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Benzo(a)pyrene	1.154	1.171		1.5	20.0
Indeno(1,2,3-cd)pyrene	1.500	1.559		3.9	
Dibenzo(a,h)anthracene	1.228	1.272		3.6	
Benzo(g,h,i)perylene	1.220	1.265		3.7	
1,2,4,5-Tetrachlorobenzene	0.605	0.618		2.1	
1,4-Dioxane	0.505	0.486		-3.8	20.0
2,3,4,6-Tetrachlorophenol	0.393	0.409		4.1	
1-Methylnaphthalene	0.749	0.754		0.7	

All other compounds must meet a minimum RRF of 0.010.