

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>ROMA02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3604</u>
Instrument ID:	<u>BNA_P</u>	Calibration Date/Time:	<u>12/01/2025 14:09</u>
Lab File ID:	<u>BP026197.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
2-Fluorophenol	1.246	1.183		-5.1	
Benzaldehyde	0.831	0.844		1.6	
Phenol-d6	1.586	1.496		-5.7	
Phenol	1.709	1.612		-5.7	20.0
bis(2-Chloroethyl)ether	1.338	1.312		-1.9	
2-Chlorophenol	1.418	1.381		-2.6	
2-Methylphenol	1.163	1.110		-4.6	
2,2-oxybis(1-Chloropropane)	1.879	1.879		0.0	
Acetophenone	0.508	0.500		-1.6	
3+4-Methylphenols	1.612	1.495		-7.3	
n-Nitroso-di-n-propylamine	0.985	0.953	0.050	-3.2	
Nitrobenzene-d5	0.352	0.352		0.0	
Hexachloroethane	0.560	0.573		2.3	
Nitrobenzene	0.356	0.356		0.0	
Isophorone	0.698	0.683		-2.1	
2-Nitrophenol	0.180	0.175		-2.8	20.0
2,4-Dimethylphenol	0.325	0.289		-11.1	
bis(2-Chloroethoxy)methane	0.437	0.426		-2.5	
2,4-Dichlorophenol	0.325	0.323		-0.6	20.0
Naphthalene	1.081	1.080		-0.1	
4-Chloroaniline	0.460	0.432		-6.1	
Hexachlorobutadiene	0.215	0.227		5.6	20.0
Caprolactam	0.116	0.105		-9.5	
4-Chloro-3-methylphenol	0.345	0.334		-3.2	20.0
2-Methylnaphthalene	0.766	0.763		-0.4	
Hexachlorocyclopentadiene	0.396	0.358	0.050	-9.6	
2,4,6-Trichlorophenol	0.415	0.422		1.7	20.0
2-Fluorobiphenyl	1.365	1.415		3.7	
2,4,5-Trichlorophenol	0.463	0.466		0.6	
1,1-Biphenyl	1.506	1.511		0.3	
2-Chloronaphthalene	1.184	1.183		-0.1	
2-Nitroaniline	0.329	0.316		-4.0	
Dimethylphthalate	1.494	1.496		0.1	
Acenaphthylene	1.953	1.984		1.6	
2,6-Dinitrotoluene	0.296	0.297		0.3	
3-Nitroaniline	0.349	0.327		-6.3	
Acenaphthene	1.145	1.146		0.1	20.0
2,4-Dinitrophenol	0.179	0.160	0.050	-10.6	
4-Nitrophenol	0.315	0.265	0.050	-15.9	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.773	1.788		0.8	
2,4-Dinitrotoluene	0.442	0.444		0.5	
Diethylphthalate	1.505	1.488		-1.1	
4-Chlorophenyl-phenylether	0.697	0.715		2.6	
Fluorene	1.401	1.429		2.0	
4-Nitroaniline	0.362	0.328		-9.4	
4,6-Dinitro-2-methylphenol	0.127	0.120		-5.5	
n-Nitrosodiphenylamine	0.619	0.618		-0.2	20.0
2,4,6-Tribromophenol	0.259	0.261		0.8	
4-Bromophenyl-phenylether	0.221	0.229		3.6	
Hexachlorobenzene	0.257	0.266		3.5	
Atrazine	0.233	0.231		-0.9	
Pentachlorophenol	0.180	0.179		-0.6	20.0
Phenanthrene	1.127	1.149		2.0	
Anthracene	1.149	1.145		-0.3	
Carbazole	1.091	1.074		-1.6	
Di-n-butylphthalate	1.294	1.325		2.4	
Fluoranthene	1.369	1.373		0.3	20.0
Pyrene	1.311	1.288		-1.8	
Terphenyl-d14	0.981	0.994		1.3	
Butylbenzylphthalate	0.578	0.557		-3.6	
3,3-Dichlorobenzidine	0.500	0.463		-7.4	
Benzo (a) anthracene	1.374	1.338		-2.6	
Chrysene	1.295	1.277		-1.4	
Bis(2-ethylhexyl)phthalate	0.874	0.870		-0.5	
Di-n-octyl phthalate	1.529	1.473		-3.7	20.0
Benzo (b) fluoranthene	1.218	1.215		-0.2	
Benzo (k) fluoranthene	1.217	1.260		3.5	
Benzo (a) pyrene	1.154	1.169		1.3	20.0
Indeno (1,2,3-cd) pyrene	1.500	1.526		1.7	
Dibenzo (a,h) anthracene	1.228	1.250		1.8	
Benzo (g,h,i) perylene	1.220	1.252		2.6	
1,2,4,5-Tetrachlorobenzene	0.605	0.635		5.0	
1,4-Dioxane	0.505	0.497		-1.6	20.0
2,3,4,6-Tetrachlorophenol	0.393	0.381		-3.1	

All other compounds must meet a minimum RRF of 0.010.