

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>FIRS02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2820</u>
Instrument ID:	<u>BNA_P</u>	Calibration Date/Time:	<u>08/15/2025 09:13</u>
Lab File ID:	<u>BP025420.D</u>	Init. Calib. Date(s):	<u>08/14/2025 08/14/2025</u>
EPA Sample No.:	<u>SSTDCCC040EC</u>	Init. Calib. Time(s):	<u>12:33 17:24</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.204	1.165		-3.2	50.0
Benzaldehyde	1.082	1.388		28.3	50.0
Phenol-d6	1.544	1.515		-1.9	50.0
Phenol	1.620	1.585		-2.2	50.0
bis(2-Chloroethyl)ether	1.263	1.213		-4.0	50.0
2-Chlorophenol	1.359	1.326		-2.4	50.0
2-Methylphenol	1.125	1.113		-1.1	50.0
2,2-oxybis(1-Chloropropane)	1.692	1.656		-2.1	50.0
Acetophenone	0.502	0.478		-4.8	50.0
3+4-Methylphenols	1.560	1.530		-1.9	50.0
n-Nitroso-di-n-propylamine	1.023	0.998	0.050	-2.4	50.0
Nitrobenzene-d5	0.395	0.387		-2.0	50.0
Hexachloroethane	0.563	0.543		-3.6	50.0
Nitrobenzene	0.353	0.347		-1.7	50.0
Isophorone	0.700	0.671		-4.1	50.0
2-Nitrophenol	0.181	0.179		-1.1	50.0
2,4-Dimethylphenol	0.312	0.302		-3.2	50.0
bis(2-Chloroethoxy)methane	0.423	0.402		-5.0	50.0
2,4-Dichlorophenol	0.310	0.303		-2.3	50.0
Naphthalene	1.040	0.995		-4.3	50.0
4-Chloroaniline	0.459	0.447		-2.6	50.0
Hexachlorobutadiene	0.211	0.202		-4.3	50.0
Caprolactam	0.114	0.110		-3.5	50.0
4-Chloro-3-methylphenol	0.355	0.352		-0.8	50.0
2-Methylnaphthalene	0.676	0.645		-4.6	50.0
Hexachlorocyclopentadiene	0.349	0.352	0.050	0.9	50.0
2,4,6-Trichlorophenol	0.390	0.387		-0.8	50.0
2-Fluorobiphenyl	1.463	1.348		-7.9	50.0
2,4,5-Trichlorophenol	0.427	0.423		-0.9	50.0
1,1-Biphenyl	1.453	1.384		-4.7	50.0
2-Chloronaphthalene	1.131	1.087		-3.9	50.0
2-Nitroaniline	0.329	0.338		2.7	50.0
Dimethylphthalate	1.465	1.412		-3.6	50.0
Acenaphthylene	1.871	1.788		-4.4	50.0
2,6-Dinitrotoluene	0.309	0.309		0.0	50.0
3-Nitroaniline	0.347	0.350		0.9	50.0
Acenaphthene	1.098	1.045		-4.8	50.0
2,4-Dinitrophenol	0.165	0.167	0.050	1.2	50.0
4-Nitrophenol	0.285	0.289	0.050	1.4	50.0

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.736	1.648		-5.1	50.0
2,4-Dinitrotoluene	0.440	0.446		1.4	50.0
Diethylphthalate	1.488	1.434		-3.6	50.0
4-Chlorophenyl-phenylether	0.681	0.625		-8.2	50.0
Fluorene	1.370	1.264		-7.7	50.0
4-Nitroaniline	0.356	0.347		-2.5	50.0
4,6-Dinitro-2-methylphenol	0.125	0.128		2.4	50.0
n-Nitrosodiphenylamine	0.610	0.588		-3.6	50.0
2,4,6-Tribromophenol	0.269	0.265		-1.5	50.0
4-Bromophenyl-phenylether	0.220	0.215		-2.3	50.0
Hexachlorobenzene	0.255	0.241		-5.5	50.0
Atrazine	0.228	0.223		-2.2	50.0
Pentachlorophenol	0.161	0.166		3.1	50.0
Phenanthrene	1.099	1.068		-2.8	50.0
Anthracene	1.122	1.084		-3.4	50.0
Carbazole	1.057	1.026		-2.9	50.0
Di-n-butylphthalate	1.300	1.260		-3.1	50.0
Fluoranthene	1.311	1.259		-4.0	50.0
Pyrene	1.300	1.235		-5.0	50.0
Terphenyl-d14	1.093	1.002		-8.3	50.0
Butylbenzylphthalate	0.589	0.570		-3.2	50.0
3,3-Dichlorobenzidine	0.497	0.476		-4.2	50.0
Benzo (a) anthracene	1.319	1.271		-3.6	50.0
Chrysene	1.235	1.176		-4.8	50.0
Bis(2-ethylhexyl)phthalate	0.867	0.819		-5.5	50.0
Di-n-octyl phthalate	1.492	1.399		-6.2	50.0
Benzo (b) fluoranthene	1.179	1.140		-3.3	50.0
Benzo (k) fluoranthene	1.180	1.104		-6.4	50.0
Benzo (a) pyrene	1.148	1.097		-4.4	50.0
Indeno (1,2,3-cd) pyrene	1.467	1.391		-5.2	50.0
Dibenzo (a,h) anthracene	1.199	1.147		-4.3	50.0
Benzo (g,h,i) perylene	1.178	1.122		-4.8	50.0
1,2,4,5-Tetrachlorobenzene	0.578	0.558		-3.5	50.0
1,4-Dioxane	0.472	0.451		-4.4	50.0
2,3,4,6-Tetrachlorophenol	0.377	0.370		-1.9	50.0

All other compounds must meet a minimum RRF of 0.010.