

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PSEG03

Lab Code: CHEM Case No.: Q1875 SAS No.: Q1875 SDG No.: Q1875

Instrument ID: BNA_P Calibration Date/Time: 04/28/2025 13:34

Lab File ID: BP024435.D Init. Calib. Date(s): 04/14/2025 04/14/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:06 17:13

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.210	1.170		-3.3	
Benzaldehyde	0.819	0.985		20.3	
Phenol-d6	1.656	1.549		-6.5	
Phenol	1.661	1.536		-7.5	20.0
bis(2-Chloroethyl)ether	1.339	1.192		-11.0	
2-Chlorophenol	1.350	1.308		-3.1	
2-Methylphenol	1.075	1.061		-1.3	
2,2-oxybis(1-Chloropropane)	1.447	1.276		-11.8	
Acetophenone	0.495	0.479		-3.2	
3+4-Methylphenols	1.491	1.464		-1.8	
n-Nitroso-di-n-propylamine	1.025	0.949	0.050	-7.4	
Nitrobenzene-d5	0.351	0.342		-2.6	
Hexachloroethane	0.533	0.525		-1.5	
Nitrobenzene	0.347	0.330		-4.9	
Isophorone	0.635	0.613		-3.5	
2-Nitrophenol	0.170	0.187		10.0	20.0
2,4-Dimethylphenol	0.213	0.217		1.9	
bis(2-Chloroethoxy)methane	0.429	0.392		-8.6	
2,4-Dichlorophenol	0.291	0.303		4.1	20.0
Naphthalene	1.054	1.023		-2.9	
4-Chloroaniline	0.371	0.378		1.9	
Hexachlorobutadiene	0.183	0.198		8.2	20.0
Caprolactam	0.107	0.110		2.8	
4-Chloro-3-methylphenol	0.339	0.352		3.8	20.0
2-Methylnaphthalene	0.731	0.725		-0.8	
Hexachlorocyclopentadiene	0.195	0.213	0.050	9.2	
2,4,6-Trichlorophenol	0.366	0.388		6.0	20.0
2-Fluorobiphenyl	1.306	1.302		-0.3	
2,4,5-Trichlorophenol	0.405	0.428		5.7	
1,1-Biphenyl	1.470	1.452		-1.2	
2-Chloronaphthalene	1.099	1.089		-0.9	
2-Nitroaniline	0.308	0.320		3.9	
Dimethylphthalate	1.454	1.451		-0.2	
Acenaphthylene	1.730	1.725		-0.3	
2,6-Dinitrotoluene	0.309	0.319		3.2	
3-Nitroaniline	0.325	0.335		3.1	
Acenaphthene	1.097	1.068		-2.6	20.0
2,4-Dinitrophenol	0.182	0.199	0.050	9.3	
4-Nitrophenol	0.280	0.293	0.050	4.6	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.793	1.758		-2.0	
2,4-Dinitrotoluene	0.421	0.456		8.3	
Diethylphthalate	1.499	1.533		2.3	
4-Chlorophenyl-phenylether	0.674	0.691		2.5	
Fluorene	1.388	1.382		-0.4	
4-Nitroaniline	0.344	0.362		5.2	
4,6-Dinitro-2-methylphenol	0.126	0.136		7.9	
n-Nitrosodiphenylamine	0.597	0.584		-2.2	20.0
2,4,6-Tribromophenol	0.277	0.324		17.0	
4-Bromophenyl-phenylether	0.219	0.230		5.0	
Hexachlorobenzene	0.260	0.284		9.2	
Atrazine	0.152	0.165		8.6	
Pentachlorophenol	0.181	0.201		11.1	20.0
Phenanthrene	1.091	1.036		-5.0	
Anthracene	1.052	1.045		-0.7	
Carbazole	1.027	1.007		-1.9	
Di-n-butylphthalate	1.280	1.307		2.1	
Fluoranthene	1.298	1.277		-1.6	20.0
Pyrene	1.271	1.189		-6.5	
Terphenyl-d14	0.992	1.012		2.0	
Butylbenzylphthalate	0.544	0.566		4.0	
3,3-Dichlorobenzidine	0.436	0.480		10.1	
Benzo (a) anthracene	1.243	1.225		-1.4	
Chrysene	1.191	1.153		-3.2	
Bis(2-ethylhexyl)phthalate	0.798	0.820		2.8	
Di-n-octyl phthalate	1.297	1.432		10.4	20.0
Benzo (b) fluoranthene	1.199	1.145		-4.5	
Benzo (k) fluoranthene	1.158	1.088		-6.0	
Benzo (a) pyrene	1.034	1.008		-2.5	20.0
Indeno (1,2,3-cd) pyrene	1.388	1.374		-1.0	
Dibenzo (a,h) anthracene	1.152	1.125		-2.3	
Benzo (g,h,i) perylene	1.173	1.144		-2.5	
1,2,4,5-Tetrachlorobenzene	0.550	0.570		3.6	
1,4-Dioxane	0.512	0.455		-11.1	20.0
2,3,4,6-Tetrachlorophenol	0.373	0.397		6.4	

All other compounds must meet a minimum RRF of 0.010.