

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: 04/25/2025 11:00

Lab File ID: BP024417.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	1.168		-3.5	
Benzaldehyde	0.819	0.974		18.9	
Phenol-d6	1.656	1.530		-7.6	
Phenol	1.661	1.523		-8.3	20.0
bis(2-Chloroethyl)ether	1.339	1.215		-9.3	
2-Chlorophenol	1.350	1.290		-4.4	
2-Methylphenol	1.075	1.015		-5.6	
2,2-oxybis(1-Chloropropane)	1.447	1.329		-8.2	
Acetophenone	0.495	0.484		-2.2	
3+4-Methylphenols	1.491	1.401		-6.0	
n-Nitroso-di-n-propylamine	1.025	0.938	0.050	-8.5	
Nitrobenzene-d5	0.351	0.354		0.9	
Hexachloroethane	0.533	0.525		-1.5	
Nitrobenzene	0.347	0.344		-0.9	
Isophorone	0.635	0.616		-3.0	
2-Nitrophenol	0.170	0.181		6.5	20.0
2,4-Dimethylphenol	0.213	0.211		-0.9	
bis(2-Chloroethoxy)methane	0.429	0.407		-5.1	
2,4-Dichlorophenol	0.291	0.294		1.0	20.0
Naphthalene	1.054	1.027		-2.6	
4-Chloroaniline	0.371	0.364		-1.9	
Hexachlorobutadiene	0.183	0.195		6.6	20.0
Caprolactam	0.107	0.104		-2.8	
4-Chloro-3-methylphenol	0.339	0.340		0.3	20.0
2-Methylnaphthalene	0.731	0.709		-3.0	
Hexachlorocyclopentadiene	0.195	0.298	0.050	52.8	
2,4,6-Trichlorophenol	0.366	0.377		3.0	20.0
2-Fluorobiphenyl	1.306	1.308		0.2	
2,4,5-Trichlorophenol	0.405	0.411		1.5	
1,1-Biphenyl	1.470	1.443		-1.8	
2-Chloronaphthalene	1.099	1.089		-0.9	
2-Nitroaniline	0.308	0.321		4.2	
Dimethylphthalate	1.454	1.446		-0.6	
Acenaphthylene	1.730	1.691		-2.3	
2,6-Dinitrotoluene	0.309	0.313		1.3	
3-Nitroaniline	0.325	0.324		-0.3	
Acenaphthene	1.097	1.078		-1.7	20.0
2,4-Dinitrophenol	0.182	0.179	0.050	-1.6	
4-Nitrophenol	0.280	0.264	0.050	-5.7	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.793	1.727		-3.7	
2,4-Dinitrotoluene	0.421	0.446		5.9	
Diethylphthalate	1.499	1.500		0.1	
4-Chlorophenyl-phenylether	0.674	0.673		-0.1	
Fluorene	1.388	1.383		-0.4	
4-Nitroaniline	0.344	0.344		0.0	
4,6-Dinitro-2-methylphenol	0.126	0.124		-1.6	
n-Nitrosodiphenylamine	0.597	0.579		-3.0	20.0
2,4,6-Tribromophenol	0.277	0.303		9.4	
4-Bromophenyl-phenylether	0.219	0.224		2.3	
Hexachlorobenzene	0.260	0.268		3.1	
Atrazine	0.152	0.153		0.7	
Pentachlorophenol	0.181	0.187		3.3	20.0
Phenanthrene	1.091	1.036		-5.0	
Anthracene	1.052	1.036		-1.5	
Carbazole	1.027	1.010		-1.7	
Di-n-butylphthalate	1.280	1.325		3.5	
Fluoranthene	1.298	1.295		-0.2	20.0
Pyrene	1.271	1.197		-5.8	
Terphenyl-d14	0.992	0.971		-2.1	
Butylbenzylphthalate	0.544	0.551		1.3	
3,3-Dichlorobenzidine	0.436	0.415		-4.8	
Benzo (a) anthracene	1.243	1.208		-2.8	
Chrysene	1.191	1.153		-3.2	
Bis(2-ethylhexyl)phthalate	0.798	0.804		0.8	
Di-n-octyl phthalate	1.297	1.349		4.0	20.0
Benzo (b) fluoranthene	1.199	1.170		-2.4	
Benzo (k) fluoranthene	1.158	1.141		-1.5	
Benzo (a) pyrene	1.034	1.026		-0.8	20.0
Indeno (1,2,3-cd) pyrene	1.388	1.408		1.4	
Dibenzo (a,h) anthracene	1.152	1.165		1.1	
Benzo (g,h,i) perylene	1.173	1.180		0.6	
1,2,4,5-Tetrachlorobenzene	0.550	0.568		3.3	
1,4-Dioxane	0.512	0.492		-3.9	20.0
2,3,4,6-Tetrachlorophenol	0.373	0.385		3.2	

All other compounds must meet a minimum RRF of 0.010.