

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1746 SAS No.: Q1746 SDG No.: Q1746

Instrument ID: BNA_M Calibration Date/Time: 04/10/2025 09:32

Lab File ID: BM049876.D Init. Calib. Date(s): 04/08/2025 04/08/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 13:35 20:07

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.178	1.166		-1.0	
Benzaldehyde	0.752	0.687		-8.6	
Phenol-d6	1.465	1.437		-1.9	
Phenol	1.430	1.404		-1.8	20.0
bis(2-Chloroethyl)ether	1.121	1.103		-1.6	
2-Chlorophenol	1.207	1.188		-1.6	
2-Methylphenol	0.881	0.857		-2.7	
2,2-oxybis(1-Chloropropane)	1.250	1.227		-1.8	
Acetophenone	0.486	0.492		1.2	
3+4-Methylphenols	1.201	1.171		-2.5	
n-Nitroso-di-n-propylamine	0.812	0.797	0.050	-1.8	
Nitrobenzene-d5	0.359	0.367		2.2	
Hexachloroethane	0.500	0.490		-2.0	
Nitrobenzene	0.346	0.348		0.6	
Isophorone	0.602	0.607		0.8	
2-Nitrophenol	0.183	0.190		3.8	20.0
2,4-Dimethylphenol	0.208	0.213		2.4	
bis(2-Chloroethoxy)methane	0.403	0.407		1.0	
2,4-Dichlorophenol	0.345	0.354		2.6	20.0
Naphthalene	1.028	1.040		1.2	
4-Chloroaniline	0.363	0.372		2.5	
Hexachlorobutadiene	0.247	0.257		4.0	20.0
Caprolactam	0.099	0.097		-2.0	
4-Chloro-3-methylphenol	0.302	0.304		0.7	20.0
2-Methylnaphthalene	0.724	0.739		2.1	
Hexachlorocyclopentadiene	0.245	0.267	0.050	9.0	
2,4,6-Trichlorophenol	0.445	0.462		3.8	20.0
2-Fluorobiphenyl	1.475	1.523		3.3	
2,4,5-Trichlorophenol	0.484	0.499		3.1	
1,1-Biphenyl	1.487	1.523		2.4	
2-Chloronaphthalene	1.169	1.192		2.0	
2-Nitroaniline	0.270	0.275		1.9	
Dimethylphthalate	1.411	1.436		1.8	
Acenaphthylene	1.702	1.738		2.1	
2,6-Dinitrotoluene	0.296	0.308		4.1	
3-Nitroaniline	0.286	0.303		5.9	
Acenaphthene	1.083	1.105		2.0	20.0
2,4-Dinitrophenol	0.175	0.186	0.050	6.3	
4-Nitrophenol	0.255	0.263	0.050	3.1	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.810	1.845		1.9	
2,4-Dinitrotoluene	0.394	0.418		6.1	
Diethylphthalate	1.353	1.368		1.1	
4-Chlorophenyl-phenylether	0.771	0.783		1.6	
Fluorene	1.439	1.462		1.6	
4-Nitroaniline	0.295	0.311		5.4	
4,6-Dinitro-2-methylphenol	0.126	0.129		2.4	
n-Nitrosodiphenylamine	0.599	0.614		2.5	20.0
2,4,6-Tribromophenol	0.291	0.295		1.4	
4-Bromophenyl-phenylether	0.232	0.240		3.4	
Hexachlorobenzene	0.266	0.274		3.0	
Atrazine	0.155	0.167		7.7	
Pentachlorophenol	0.196	0.195		-0.5	20.0
Phenanthrene	1.096	1.123		2.5	
Anthracene	1.081	1.111		2.8	
Carbazole	1.018	1.043		2.5	
Di-n-butylphthalate	1.172	1.210		3.2	
Fluoranthene	1.348	1.368		1.5	20.0
Pyrene	1.378	1.448		5.1	
Terphenyl-d14	1.067	1.192		11.7	
Butylbenzylphthalate	0.518	0.545		5.2	
3,3-Dichlorobenzidine	0.502	0.524		4.4	
Benzo (a) anthracene	1.329	1.351		1.7	
Chrysene	1.264	1.292		2.2	
Bis(2-ethylhexyl)phthalate	0.755	0.777		2.9	
Di-n-octyl phthalate	1.320	1.367		3.6	20.0
Benzo (b) fluoranthene	1.277	1.267		-0.8	
Benzo (k) fluoranthene	1.238	1.241		0.2	
Benzo (a) pyrene	1.122	1.131		0.8	20.0
Indeno (1,2,3-cd) pyrene	1.491	1.512		1.4	
Dibenzo (a,h) anthracene	1.228	1.240		1.0	
Benzo (g,h,i) perylene	1.255	1.269		1.1	
1,2,4,5-Tetrachlorobenzene	0.700	0.726		3.7	
1,4-Dioxane	0.485	0.475		-2.1	20.0
2,3,4,6-Tetrachlorophenol	0.424	0.428		0.9	

All other compounds must meet a minimum RRF of 0.010.