

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_P Calibration Date/Time: 04/09/2025 10:08

Lab File ID: BP024228.D Init. Calib. Date(s): 03/12/2025 03/12/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 16:17 21:02

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.253	1.307		4.3	
Benzaldehyde	0.809	0.769		-4.9	
Phenol-d6	1.675	1.739		3.8	
Phenol	1.691	1.750		3.5	20.0
bis(2-Chloroethyl)ether	1.334	1.368		2.5	
2-Chlorophenol	1.353	1.387		2.5	
2-Methylphenol	1.061	1.121		5.7	
2,2-oxybis(1-Chloropropane)	1.361	1.437		5.6	
Acetophenone	0.506	0.525		3.8	
3+4-Methylphenols	1.457	1.527		4.8	
n-Nitroso-di-n-propylamine	0.972	1.033	0.050	6.3	
Nitrobenzene-d5	0.354	0.378		6.8	
Hexachloroethane	0.529	0.541		2.3	
Nitrobenzene	0.350	0.372		6.3	
Isophorone	0.608	0.657		8.1	
2-Nitrophenol	0.167	0.185		10.8	20.0
2,4-Dimethylphenol	0.215	0.225		4.7	
bis(2-Chloroethoxy)methane	0.427	0.449		5.2	
2,4-Dichlorophenol	0.291	0.311		6.9	20.0
Naphthalene	1.060	1.100		3.8	
4-Chloroaniline	0.379	0.401		5.8	
Hexachlorobutadiene	0.185	0.185		0.0	20.0
Caprolactam	0.095	0.110		15.8	
4-Chloro-3-methylphenol	0.313	0.341		8.9	20.0
2-Methylnaphthalene	0.716	0.745		4.1	
Hexachlorocyclopentadiene	0.208	0.215	0.050	3.4	
2,4,6-Trichlorophenol	0.367	0.387		5.4	20.0
2-Fluorobiphenyl	1.356	1.365		0.7	
2,4,5-Trichlorophenol	0.403	0.426		5.7	
1,1-Biphenyl	1.503	1.538		2.3	
2-Chloronaphthalene	1.130	1.141		1.0	
2-Nitroaniline	0.289	0.329		13.8	
Dimethylphthalate	1.399	1.466		4.8	
Acenaphthylene	1.710	1.788		4.6	
2,6-Dinitrotoluene	0.294	0.319		8.5	
3-Nitroaniline	0.318	0.355		11.6	
Acenaphthene	1.093	1.131		3.5	20.0
2,4-Dinitrophenol	0.156	0.179	0.050	14.7	
4-Nitrophenol	0.266	0.308	0.050	15.8	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.770	1.819		2.8	
2,4-Dinitrotoluene	0.389	0.439		12.9	
Diethylphthalate	1.394	1.496		7.3	
4-Chlorophenyl-phenylether	0.676	0.681		0.7	
Fluorene	1.379	1.420		3.0	
4-Nitroaniline	0.334	0.374		12.0	
4,6-Dinitro-2-methylphenol	0.119	0.126		5.9	
n-Nitrosodiphenylamine	0.607	0.626		3.1	20.0
2,4,6-Tribromophenol	0.252	0.271		7.5	
4-Bromophenyl-phenylether	0.220	0.220		0.0	
Hexachlorobenzene	0.260	0.261		0.4	
Atrazine	0.147	0.157		6.8	
Pentachlorophenol	0.168	0.183		8.9	20.0
Phenanthrene	1.093	1.117		2.2	
Anthracene	1.064	1.101		3.5	
Carbazole	1.026	1.092		6.4	
Di-n-butylphthalate	1.218	1.345		10.4	
Fluoranthene	1.265	1.339		5.8	20.0
Pyrene	1.243	1.315		5.8	
Terphenyl-d14	0.969	1.019		5.2	
Butylbenzylphthalate	0.513	0.579		12.9	
3,3-Dichlorobenzidine	0.417	0.477		14.4	
Benzo (a) anthracene	1.243	1.303		4.8	
Chrysene	1.195	1.236		3.4	
Bis(2-ethylhexyl)phthalate	0.774	0.866		11.9	
Di-n-octyl phthalate	1.240	1.441		16.2	20.0
Benzo (b) fluoranthene	1.206	1.262		4.6	
Benzo (k) fluoranthene	1.180	1.193		1.1	
Benzo (a) pyrene	1.049	1.081		3.1	20.0
Indeno (1,2,3-cd) pyrene	1.396	1.431		2.5	
Dibenzo (a,h) anthracene	1.161	1.190		2.5	
Benzo (g,h,i) perylene	1.180	1.210		2.5	
1,2,4,5-Tetrachlorobenzene	0.578	0.583		0.9	
1,4-Dioxane	0.497	0.516		3.8	20.0
2,3,4,6-Tetrachlorophenol	0.356	0.377		5.9	

All other compounds must meet a minimum RRF of 0.010.