

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: 04/10/2025 09:46

Lab File ID: BP024245.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	1.288		2.8	
Benzaldehyde	0.809	0.754		-6.8	
Phenol-d6	1.675	1.722		2.8	
Phenol	1.691	1.720		1.7	20.0
bis(2-Chloroethyl)ether	1.334	1.345		0.8	
2-Chlorophenol	1.353	1.391		2.8	
2-Methylphenol	1.061	1.118		5.4	
2,2-oxybis(1-Chloropropane)	1.361	1.415		4.0	
Acetophenone	0.506	0.514		1.6	
3+4-Methylphenols	1.457	1.542		5.8	
n-Nitroso-di-n-propylamine	0.972	1.019	0.050	4.8	
Nitrobenzene-d5	0.354	0.366		3.4	
Hexachloroethane	0.529	0.538		1.7	
Nitrobenzene	0.350	0.364		4.0	
Isophorone	0.608	0.646		6.3	
2-Nitrophenol	0.167	0.190		13.8	20.0
2,4-Dimethylphenol	0.215	0.225		4.7	
bis(2-Chloroethoxy)methane	0.427	0.432		1.2	
2,4-Dichlorophenol	0.291	0.309		6.2	20.0
Naphthalene	1.060	1.084		2.3	
4-Chloroaniline	0.379	0.399		5.3	
Hexachlorobutadiene	0.185	0.191		3.2	20.0
Caprolactam	0.095	0.107		12.6	
4-Chloro-3-methylphenol	0.313	0.342		9.3	20.0
2-Methylnaphthalene	0.716	0.736		2.8	
Hexachlorocyclopentadiene	0.208	0.220	0.050	5.8	
2,4,6-Trichlorophenol	0.367	0.401		9.3	20.0
2-Fluorobiphenyl	1.356	1.375		1.4	
2,4,5-Trichlorophenol	0.403	0.437		8.4	
1,1-Biphenyl	1.503	1.546		2.9	
2-Chloronaphthalene	1.130	1.164		3.0	
2-Nitroaniline	0.289	0.328		13.5	
Dimethylphthalate	1.399	1.457		4.1	
Acenaphthylene	1.710	1.814		6.1	
2,6-Dinitrotoluene	0.294	0.319		8.5	
3-Nitroaniline	0.318	0.343		7.9	
Acenaphthene	1.093	1.118		2.3	20.0
2,4-Dinitrophenol	0.156	0.187	0.050	19.9	
4-Nitrophenol	0.266	0.301	0.050	13.2	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.770	1.831		3.4	
2,4-Dinitrotoluene	0.389	0.440		13.1	
Diethylphthalate	1.394	1.493		7.1	
4-Chlorophenyl-phenylether	0.676	0.677		0.1	
Fluorene	1.379	1.402		1.7	
4-Nitroaniline	0.334	0.365		9.3	
4,6-Dinitro-2-methylphenol	0.119	0.133		11.8	
n-Nitrosodiphenylamine	0.607	0.627		3.3	20.0
2,4,6-Tribromophenol	0.252	0.289		14.7	
4-Bromophenyl-phenylether	0.220	0.233		5.9	
Hexachlorobenzene	0.260	0.272		4.6	
Atrazine	0.147	0.163		10.9	
Pentachlorophenol	0.168	0.196		16.7	20.0
Phenanthrene	1.093	1.113		1.8	
Anthracene	1.064	1.104		3.8	
Carbazole	1.026	1.069		4.2	
Di-n-butylphthalate	1.218	1.344		10.3	
Fluoranthene	1.265	1.307		3.3	20.0
Pyrene	1.243	1.314		5.7	
Terphenyl-d14	0.969	1.006		3.8	
Butylbenzylphthalate	0.513	0.605		17.9	
3,3-Dichlorobenzidine	0.417	0.484		16.1	
Benzo (a) anthracene	1.243	1.289		3.7	
Chrysene	1.195	1.222		2.3	
Bis(2-ethylhexyl)phthalate	0.774	0.886		14.5	
Di-n-octyl phthalate	1.240	1.522		22.7	20.0
Benzo (b) fluoranthene	1.206	1.239		2.7	
Benzo (k) fluoranthene	1.180	1.183		0.3	
Benzo (a) pyrene	1.049	1.081		3.1	20.0
Indeno (1,2,3-cd) pyrene	1.396	1.446		3.6	
Dibenzo (a,h) anthracene	1.161	1.193		2.8	
Benzo (g,h,i) perylene	1.180	1.203		1.9	
1,2,4,5-Tetrachlorobenzene	0.578	0.591		2.2	
1,4-Dioxane	0.497	0.491		-1.2	20.0
2,3,4,6-Tetrachlorophenol	0.356	0.385		8.1	

All other compounds must meet a minimum RRF of 0.010.