

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PARS02

Lab Code: CHEM Case No.: Q1993 SAS No.: Q1993 SDG No.: Q1993

Instrument ID: BNA_P Calibration Date/Time: 05/16/2025 10:49

Lab File ID: BP024651.D Init. Calib. Date(s): 05/13/2025 05/13/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:41 15:26

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.169	1.160		-0.8	
Benzaldehyde	0.966	0.921		-4.7	
Phenol-d6	1.492	1.444		-3.2	
Phenol	1.540	1.485		-3.6	20.0
bis(2-Chloroethyl)ether	1.266	1.140		-10.0	
2-Chlorophenol	1.327	1.306		-1.6	
2-Methylphenol	1.105	1.046		-5.3	
2,2-oxybis(1-Chloropropane)	1.516	1.340		-11.6	
Acetophenone	0.500	0.483		-3.4	
3+4-Methylphenols	1.503	1.423		-5.3	
n-Nitroso-di-n-propylamine	1.032	0.924	0.050	-10.5	
Nitrobenzene-d5	0.396	0.381		-3.8	
Hexachloroethane	0.589	0.540		-8.3	
Nitrobenzene	0.348	0.332		-4.6	
Isophorone	0.687	0.637		-7.3	
2-Nitrophenol	0.171	0.179		4.7	20.0
2,4-Dimethylphenol	0.301	0.298		-1.0	
bis(2-Chloroethoxy)methane	0.410	0.381		-7.1	
2,4-Dichlorophenol	0.292	0.290		-0.7	20.0
Naphthalene	1.036	1.001		-3.4	
4-Chloroaniline	0.418	0.419		0.2	
Hexachlorobutadiene	0.213	0.203		-4.7	20.0
Caprolactam	0.106	0.107		0.9	
4-Chloro-3-methylphenol	0.356	0.340		-4.5	20.0
2-Methylnaphthalene	0.671	0.628		-6.4	
Hexachlorocyclopentadiene	0.352	0.369	0.050	4.8	
2,4,6-Trichlorophenol	0.376	0.391		4.0	20.0
2-Fluorobiphenyl	1.527	1.467		-3.9	
2,4,5-Trichlorophenol	0.419	0.429		2.4	
1,1-Biphenyl	1.478	1.426		-3.5	
2-Chloronaphthalene	1.127	1.095		-2.8	
2-Nitroaniline	0.334	0.325		-2.7	
Dimethylphthalate	1.524	1.407		-7.7	
Acenaphthylene	1.886	1.832		-2.9	
2,6-Dinitrotoluene	0.322	0.312		-3.1	
3-Nitroaniline	0.329	0.335		1.8	
Acenaphthene	1.084	1.033		-4.7	20.0
2,4-Dinitrophenol	0.169	0.185	0.050	9.5	
4-Nitrophenol	0.250	0.254	0.050	1.6	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.730	1.667		-3.6	
2,4-Dinitrotoluene	0.454	0.461		1.5	
Diethylphthalate	1.541	1.456		-5.5	
4-Chlorophenyl-phenylether	0.703	0.662		-5.8	
Fluorene	1.410	1.372		-2.7	
4-Nitroaniline	0.317	0.359		13.2	
4,6-Dinitro-2-methylphenol	0.129	0.132		2.3	
n-Nitrosodiphenylamine	0.614	0.593		-3.4	20.0
2,4,6-Tribromophenol	0.339	0.336		-0.9	
4-Bromophenyl-phenylether	0.236	0.221		-6.4	
Hexachlorobenzene	0.299	0.284		-5.0	
Atrazine	0.225	0.224		-0.4	
Pentachlorophenol	0.168	0.175		4.2	20.0
Phenanthrene	1.112	1.065		-4.2	
Anthracene	1.119	1.089		-2.7	
Carbazole	1.012	1.048		3.6	
Di-n-butylphthalate	1.302	1.279		-1.8	
Fluoranthene	1.300	1.307		0.5	20.0
Pyrene	1.198	1.116		-6.8	
Terphenyl-d14	1.166	1.069		-8.3	
Butylbenzylphthalate	0.533	0.524		-1.7	
3,3-Dichlorobenzidine	0.466	0.504		8.2	
Benzo (a) anthracene	1.256	1.219		-2.9	
Chrysene	1.190	1.133		-4.8	
Bis(2-ethylhexyl)phthalate	0.783	0.748		-4.5	
Di-n-octyl phthalate	1.281	1.299		1.4	20.0
Benzo (b) fluoranthene	1.145	1.088		-5.0	
Benzo (k) fluoranthene	1.180	1.126		-4.6	
Benzo (a) pyrene	1.099	1.066		-3.0	20.0
Indeno (1,2,3-cd) pyrene	1.460	1.441		-1.3	
Dibenzo (a,h) anthracene	1.188	1.169		-1.6	
Benzo (g,h,i) perylene	1.181	1.149		-2.7	
1,2,4,5-Tetrachlorobenzene	0.581	0.572		-1.5	
1,4-Dioxane	0.549	0.497		-9.5	20.0
2,3,4,6-Tetrachlorophenol	0.388	0.393		1.3	

All other compounds must meet a minimum RRF of 0.010.