

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06
Lab Code: CHEM Case No.: Q2064 SAS No.: Q2064 SDG No.: Q2064
Instrument ID: BNA_P Calibration Date/Time: 05/20/2025 11:52
Lab File ID: BP024703.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	1.129		-3.4	
Benzaldehyde	0.966	0.885		-8.4	
Phenol-d6	1.492	1.410		-5.5	
Phenol	1.540	1.418		-7.9	20.0
bis(2-Chloroethyl)ether	1.266	1.114		-12.0	
2-Chlorophenol	1.327	1.280		-3.5	
2-Methylphenol	1.105	1.022		-7.5	
2,2-oxybis(1-Chloropropane)	1.516	1.340		-11.6	
Acetophenone	0.500	0.472		-5.6	
3+4-Methylphenols	1.503	1.381		-8.1	
n-Nitroso-di-n-propylamine	1.032	0.915	0.050	-11.3	
Nitrobenzene-d5	0.396	0.375		-5.3	
Hexachloroethane	0.589	0.545		-7.5	
Nitrobenzene	0.348	0.330		-5.2	
Isophorone	0.687	0.624		-9.2	
2-Nitrophenol	0.171	0.178		4.1	20.0
2,4-Dimethylphenol	0.301	0.296		-1.7	
bis(2-Chloroethoxy)methane	0.410	0.367		-10.5	
2,4-Dichlorophenol	0.292	0.289		-1.0	20.0
Naphthalene	1.036	0.995		-4.0	
4-Chloroaniline	0.418	0.409		-2.2	
Hexachlorobutadiene	0.213	0.211		-0.9	20.0
Caprolactam	0.106	0.098		-7.5	
4-Chloro-3-methylphenol	0.356	0.337		-5.3	20.0
2-Methylnaphthalene	0.671	0.634		-5.5	
Hexachlorocyclopentadiene	0.352	0.351	0.050	-0.3	
2,4,6-Trichlorophenol	0.376	0.384		2.1	20.0
2-Fluorobiphenyl	1.527	1.512		-1.0	
2,4,5-Trichlorophenol	0.419	0.427		1.9	
1,1-Biphenyl	1.478	1.420		-3.9	
2-Chloronaphthalene	1.127	1.097		-2.7	
2-Nitroaniline	0.334	0.320		-4.2	
Dimethylphthalate	1.524	1.412		-7.3	
Acenaphthylene	1.886	1.792		-5.0	
2,6-Dinitrotoluene	0.322	0.312		-3.1	
3-Nitroaniline	0.329	0.315		-4.3	
Acenaphthene	1.084	1.035		-4.5	20.0
2,4-Dinitrophenol	0.169	0.160	0.050	-5.3	
4-Nitrophenol	0.250	0.320	0.050	28.0	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.730	1.654		-4.4	
2,4-Dinitrotoluene	0.454	0.441		-2.9	
Diethylphthalate	1.541	1.438		-6.7	
4-Chlorophenyl-phenylether	0.703	0.679		-3.4	
Fluorene	1.410	1.354		-4.0	
4-Nitroaniline	0.317	0.299		-5.7	
4,6-Dinitro-2-methylphenol	0.129	0.128		-0.8	
n-Nitrosodiphenylamine	0.614	0.596		-2.9	20.0
2,4,6-Tribromophenol	0.339	0.348		2.7	
4-Bromophenyl-phenylether	0.236	0.238		0.8	
Hexachlorobenzene	0.299	0.299		0.0	
Atrazine	0.225	0.224		-0.4	
Pentachlorophenol	0.168	0.165		-1.8	20.0
Phenanthrene	1.112	1.065		-4.2	
Anthracene	1.119	1.093		-2.3	
Carbazole	1.012	0.966		-4.5	
Di-n-butylphthalate	1.302	1.263		-3.0	
Fluoranthene	1.300	1.234		-5.1	20.0
Pyrene	1.198	1.171		-2.3	
Terphenyl-d14	1.166	1.167		0.1	
Butylbenzylphthalate	0.533	0.527		-1.1	
3,3-Dichlorobenzidine	0.466	0.476		2.1	
Benzo (a) anthracene	1.256	1.210		-3.7	
Chrysene	1.190	1.135		-4.6	
Bis(2-ethylhexyl)phthalate	0.783	0.764		-2.4	
Di-n-octyl phthalate	1.281	1.290		0.7	20.0
Benzo (b) fluoranthene	1.145	1.102		-3.8	
Benzo (k) fluoranthene	1.180	1.133		-4.0	
Benzo (a) pyrene	1.099	1.069		-2.7	20.0
Indeno (1,2,3-cd) pyrene	1.460	1.420		-2.7	
Dibenzo (a,h) anthracene	1.188	1.154		-2.9	
Benzo (g,h,i) perylene	1.181	1.129		-4.4	
1,2,4,5-Tetrachlorobenzene	0.581	0.583		0.3	
1,4-Dioxane	0.549	0.490		-10.7	20.0
2,3,4,6-Tetrachlorophenol	0.388	0.381		-1.8	

All other compounds must meet a minimum RRF of 0.010.