

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 22:04

Lab File ID: BP024718.D Init. Calib. Date(s): 05/13/2025 05/13/2025

EPA Sample No.: SSTDCCC040EC 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	1.092		-6.6	50.0
Benzaldehyde	0.966	0.838		-13.3	50.0
Phenol-d6	1.492	1.356		-9.1	50.0
Phenol	1.540	1.377		-10.6	50.0
bis(2-Chloroethyl)ether	1.266	1.083		-14.5	50.0
2-Chlorophenol	1.327	1.268		-4.4	50.0
2-Methylphenol	1.105	1.025		-7.2	50.0
2,2-oxybis(1-Chloropropane)	1.516	1.280		-15.6	50.0
Acetophenone	0.500	0.457		-8.6	50.0
3+4-Methylphenols	1.503	1.386		-7.8	50.0
n-Nitroso-di-n-propylamine	1.032	0.882	0.050	-14.5	50.0
Nitrobenzene-d5	0.396	0.354		-10.6	50.0
Hexachloroethane	0.589	0.534		-9.3	50.0
Nitrobenzene	0.348	0.305		-12.4	50.0
Isophorone	0.687	0.600		-12.7	50.0
2-Nitrophenol	0.171	0.177		3.5	50.0
2,4-Dimethylphenol	0.301	0.290		-3.7	50.0
bis(2-Chloroethoxy)methane	0.410	0.351		-14.4	50.0
2,4-Dichlorophenol	0.292	0.292		0.0	50.0
Naphthalene	1.036	0.990		-4.4	50.0
4-Chloroaniline	0.418	0.409		-2.2	50.0
Hexachlorobutadiene	0.213	0.212		-0.5	50.0
Caprolactam	0.106	0.103		-2.8	50.0
4-Chloro-3-methylphenol	0.356	0.345		-3.1	50.0
2-Methylnaphthalene	0.671	0.644		-4.0	50.0
Hexachlorocyclopentadiene	0.352	0.353	0.050	0.3	50.0
2,4,6-Trichlorophenol	0.376	0.399		6.1	50.0
2-Fluorobiphenyl	1.527	1.493		-2.2	50.0
2,4,5-Trichlorophenol	0.419	0.440		5.0	50.0
1,1-Biphenyl	1.478	1.442		-2.4	50.0
2-Chloronaphthalene	1.127	1.121		-0.5	50.0
2-Nitroaniline	0.334	0.327		-2.1	50.0
Dimethylphthalate	1.524	1.441		-5.4	50.0
Acenaphthylene	1.886	1.808		-4.1	50.0
2,6-Dinitrotoluene	0.322	0.307		-4.7	50.0
3-Nitroaniline	0.329	0.314		-4.6	50.0
Acenaphthene	1.084	1.038		-4.2	50.0
2,4-Dinitrophenol	0.169	0.154	0.050	-8.9	50.0
4-Nitrophenol	0.250	0.339	0.050	35.6	50.0

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.730	1.664		-3.8	50.0
2,4-Dinitrotoluene	0.454	0.455		0.2	50.0
Diethylphthalate	1.541	1.454		-5.6	50.0
4-Chlorophenyl-phenylether	0.703	0.687		-2.3	50.0
Fluorene	1.410	1.366		-3.1	50.0
4-Nitroaniline	0.317	0.313		-1.3	50.0
4,6-Dinitro-2-methylphenol	0.129	0.126		-2.3	50.0
n-Nitrosodiphenylamine	0.614	0.608		-1.0	50.0
2,4,6-Tribromophenol	0.339	0.363		7.1	50.0
4-Bromophenyl-phenylether	0.236	0.239		1.3	50.0
Hexachlorobenzene	0.299	0.304		1.7	50.0
Atrazine	0.225	0.226		0.4	50.0
Pentachlorophenol	0.168	0.252		50.0	50.0
Phenanthrene	1.112	1.068		-4.0	50.0
Anthracene	1.119	1.103		-1.4	50.0
Carbazole	1.012	0.988		-2.4	50.0
Di-n-butylphthalate	1.302	1.289		-1.0	50.0
Fluoranthene	1.300	1.253		-3.6	50.0
Pyrene	1.198	1.170		-2.3	50.0
Terphenyl-d14	1.166	1.166		0.0	50.0
Butylbenzylphthalate	0.533	0.540		1.3	50.0
3,3-Dichlorobenzidine	0.466	0.494		6.0	50.0
Benzo (a) anthracene	1.256	1.204		-4.1	50.0
Chrysene	1.190	1.133		-4.8	50.0
Bis(2-ethylhexyl)phthalate	0.783	0.781		-0.3	50.0
Di-n-octyl phthalate	1.281	1.349		5.3	50.0
Benzo (b) fluoranthene	1.145	1.086		-5.2	50.0
Benzo (k) fluoranthene	1.180	1.096		-7.1	50.0
Benzo (a) pyrene	1.099	1.047		-4.7	50.0
Indeno (1,2,3-cd) pyrene	1.460	1.407		-3.6	50.0
Dibenzo (a,h) anthracene	1.188	1.146		-3.5	50.0
Benzo (g,h,i) perylene	1.181	1.125		-4.7	50.0
1,2,4,5-Tetrachlorobenzene	0.581	0.572		-1.5	50.0
1,4-Dioxane	0.549	0.467		-14.9	50.0
2,3,4,6-Tetrachlorophenol	0.388	0.398		2.6	50.0

All other compounds must meet a minimum RRF of 0.010.